AD Summation
Discovery Cracker

Environment Setup and Installation Guide

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1. Installation Overview

Congratulations on your purchase of the AD Summation Discovery Cracker electronic data discovery software.

Discovery Cracker is the most powerful electronic data processing tool available. The Discovery Cracker architecture uses industrial-strength distributed processing technology that automatically shares the workload across multiple computers.

Who Should Use This Guide

This guide has been prepared for those who install the Discovery Cracker program and the DC Detective Web application, and those who set up the Discovery Cracker program to begin using it. We recommend that network administrators install Discovery Cracker and DC Detective. The Discovery Cracker administrator performs the postinstallation tasks for Discovery Cracker and DC Detective.

Before You Begin

Before installing the Discovery Cracker program, it is important to know the following points:

- Before installing one or more Discovery Cracker components, you must perform preinstallation steps to prepare the environment for Discovery Cracker processing.
- The steps include network administrative tasks. Therefore, we recommend that network administrators perform the Discovery Cracker environment setup and installation.
- If you use any edition of SQL Server other than Express, we recommend that you have database administration expertise available to install and maintain your SQL Server infrastructure.
- Each computer on which you install one or more Discovery Cracker components must be configured exactly as described herein.
- To prevent conflicts between the Discovery Cracker program and other software, install only the software that is listed in the system requirements for each component.
- To optimize the success of your Discovery Cracker installation, it is best if you start fresh on clean computers.
Discovery Cracker Installation Steps

Installation of the Discovery Cracker program is a multistep process. To install and begin running Discovery Cracker, do the following:

1. Decide which solution (single-box or advanced) you are going to install. See chapter 2.

2. Ensure that the computers you are going to include in your Discovery Cracker solution meet the recommended hardware and operating system requirements. See chapter 3.

3. Perform the preinstallation tasks to prepare the environment for Discovery Cracker processing. See chapter 4.

4. Install the appropriate Discovery Cracker components on each computer you include in your Discovery Cracker solution. See chapter 5.

5. Perform the postinstallation tasks to authorize your Discovery Cracker program and get ready to start processing. See chapter 6.

Checklist

To help you follow the Discovery Cracker installation steps, use the checklist in Table 1.1, “Checklist for Preinstallation, Installation, and Postinstallation Tasks,” on page 3.

The checklist includes all the tasks you need to perform for all of the Discovery Cracker components, the SQL Server, and the file server, in other words, all the pieces of the Discovery Cracker environment (see “The Discovery Cracker Environment” on page 10). It also includes postinstallation tasks. Each task includes a reference to the page in this guide where you will find the instructions.

Use the checklist as your road map for preparing the Discovery Cracker environment, installing the Discovery Cracker components, and performing the necessary postinstallation tasks.

NOTE: If you install more than one component on one computer, be sure to follow the steps that are required for each component.
### Table 1.1: Checklist for Preinstallation, Installation, and Postinstallation Tasks

**NOTE:** White cells indicate the task applies to that computer. Check off each task as you perform it on each computer.

<table>
<thead>
<tr>
<th>Task</th>
<th>Description</th>
<th>Single-Box connecting to SQL Server Computer</th>
<th>SQL Server</th>
<th>Workflow Manager</th>
<th>DC Engine</th>
<th>Discovery Cracker Console</th>
<th>DC Detective</th>
<th>File Server</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>We recommend that you start with a clean computer (page 1 and page 30)</td>
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<td>2</td>
<td>Ensure that the computer meets the recommended hardware requirements (chapter 3)</td>
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<td>3</td>
<td>Ensure that the proper operating system is installed (chapter 3)</td>
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<td>4</td>
<td>Ensure that all computers and files in your Discovery Cracker environment are on the same domain or workgroup (page 31)</td>
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<td>5</td>
<td>Ensure that .NET Framework 2.0 is installed (page 31) <strong>NOTE:</strong> Discovery Cracker does not work with .NET Framework 3.0 or later.</td>
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<td>6a</td>
<td>In a domain environment, create the account on the domain controller.</td>
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<tr>
<td>6b</td>
<td>In a workgroup environment, create the account on each computer.</td>
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<tr>
<td>7</td>
<td>Add the Discovery Cracker common Windows user account to the local administrators group on each computer (Recommended for Discovery Cracker Console, but not required.)</td>
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<tr>
<td>8</td>
<td>Installed in mixed mode</td>
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</tbody>
</table>

Create a domain or workgroup user account to be used as your Discovery Cracker common Windows user account (page 32)

Ensure that the SQL Server 2005 instance is installed correctly (page 33)
## Table 1.1: Checklist for Preinstallation, Installation, and Postinstallation Tasks (Continued)

**NOTE:** White cells indicate the task applies to that computer. Check off each task as you perform it on each computer.

<table>
<thead>
<tr>
<th>Task</th>
<th>Description</th>
<th>Single-Box connecting to SQL Server Computer</th>
<th>SQL Server</th>
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<th>Discovery Cracker Console</th>
<th>DC Detective</th>
<th>File Server</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>SQL Server Browser service is enabled (for connecting to a previously installed instance of SQL Server 2005 Express).</td>
<td>![Checkmark]</td>
<td>![Checkmark]</td>
<td>![Checkmark]</td>
<td>![Checkmark]</td>
<td>![Checkmark]</td>
<td>![Checkmark]</td>
<td>![Checkmark]</td>
</tr>
</tbody>
</table>

Make Microsoft Windows configurations

10 Enable network MSDTC access (page 34)

11 Set user rights. Add the Discovery Cracker common Windows user account to the Local Security Setting. (page 36)

12 Disable error reporting (page 36)

13 Disable simple file sharing (page 37)

14 Create and share Discovery Cracker folders (page 37)

15 Disable multiple network cards (page 38)

16 Ensure that the Computer Browser service is enabled (page 38)

17 Install supplemental language support (page 38)

18 Install Internet Information Services (IIS) (page 39)

19 Ensure that ASP.NET is enabled (on a computer running Windows Server 2003) (page 39)

Install and configure the applications required for processing

20 Ensure that Windows Internet Explorer 8.0 is installed (page 40)
### Table 1.1: Checklist for Preinstallation, Installation, and Postinstallation Tasks (Continued)

**NOTE:** White cells indicate the task applies to that computer. Check off each task as you perform it on each computer.

<table>
<thead>
<tr>
<th>Task</th>
<th>Description</th>
<th>Single-Box</th>
<th>Distributed Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>In Internet Explorer, for the Discovery Cracker common Windows user account, set Outlook as the default e-mail client (page 41)</td>
<td></td>
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<tr>
<td>22</td>
<td>In Internet Explorer, for the Discovery Cracker common Windows user account, delete header and footer information (page 41)</td>
<td></td>
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</tr>
<tr>
<td>23</td>
<td>Install Microsoft Office Professional Edition 2003 SP3 (SP3 requires that you follow the instructions under “Method 1” at this link: <a href="http://support.microsoft.com/kb/938810/">http://support.microsoft.com/kb/938810/</a>) or Microsoft Office Professional Edition 2007 SP2</td>
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<tr>
<td></td>
<td>Install using the custom installation (page 41)</td>
<td></td>
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</tr>
<tr>
<td>24</td>
<td>In Outlook, for the Discovery Cracker common Windows user account, set up the proper e-mail account (page 45)</td>
<td></td>
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</tr>
<tr>
<td>25</td>
<td>In Outlook, for the Discovery Cracker common Windows user account, turn off tracking options (page 46)</td>
<td></td>
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<tr>
<td>26</td>
<td>In Outlook, for the Discovery Cracker common Windows user account, turn off the send/receive function (page 46)</td>
<td></td>
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</tr>
<tr>
<td>27</td>
<td>Install Adobe Acrobat Standard or Professional Edition 9.0 (needed to render PDF files using the native application) (page 40)</td>
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<tr>
<td>28</td>
<td>Install one of the following archive applications (needed if you are going to process compressed files) (page 40)</td>
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<tr>
<td></td>
<td>- WinZip® 12.0</td>
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<td>- PowerArchiver 11.0.3</td>
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<td>- WinRAR 3.7.1</td>
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<tr>
<td>29</td>
<td>If you install WinZip 12, configure WinZip 12 (page 46)</td>
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</tbody>
</table>
### Table 1.1: Checklist for Preinstallation, Installation, and Postinstallation Tasks (Continued)

**NOTE:** White cells indicate the task applies to that computer. Check off each task as you perform it on each computer.

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<th>Single-Box</th>
<th>Distributed Environment</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Single-Box connecting to SQL Server</td>
<td>Workflow Manager</td>
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<tr>
<td>30</td>
<td>Install IBM® Lotus Notes® Client 8.5 (needed if you are going to process NSF files) Follow the instructions on page 48</td>
<td></td>
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</tr>
<tr>
<td>31</td>
<td>Configure Lotus Notes Client (page 48)</td>
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<tr>
<td>32</td>
<td>Configure Lotus Notes Client user security permissions (page 48)</td>
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<td>33</td>
<td>Enable Unicode display (page 49)</td>
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<td>34</td>
<td>Ensure that the Multi User Cleanup Service is disabled (page 49)</td>
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</table>

**INSTALL DISCOVERY CRACKER COMPONENTS** *(choose the steps appropriate for your environment)*  
Download instructions are provided by Discovery Cracker Sales or Product Support.

<table>
<thead>
<tr>
<th>Task</th>
<th>Description</th>
<th>Single-Box</th>
<th>Distributed Environment</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Single-Box connecting to SQL Server</td>
<td>Workflow Manager</td>
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<tr>
<td>35</td>
<td>Install Discovery Cracker for a single-box solution (page 51)</td>
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<tr>
<td>36</td>
<td>Install Discovery Cracker for a single-box solution connecting to SQL Server (page 51)</td>
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<tr>
<td>37</td>
<td>Install Workflow Manager (page 55)</td>
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<tr>
<td>38</td>
<td>Install DC Engine (page 57)</td>
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<tr>
<td>39</td>
<td>Install Discovery Cracker Console (page 59)</td>
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<td>40</td>
<td>Install DC Detective (page 61)</td>
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<tr>
<td>41</td>
<td>If you install DC Detective, create a DC Detective anonymous user account (page 63)</td>
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</table>
## Table 1.1: Checklist for Preinstallation, Installation, and Postinstallation Tasks (Continued)

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<td>42</td>
<td>Log in (page 66)</td>
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<tr>
<td>43</td>
<td>Make settings on the Workflow Manager Settings pane (page 66)</td>
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<td>44</td>
<td>If you installed Lotus Notes, create a Lotus Notes user ID reference file (page 68)</td>
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<td>45</td>
<td>If you installed Lotus Notes, create a Lotus Notes password reference file (page 69)</td>
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<td>46</td>
<td>Install and initialize the Discovery Cracker USB dongle (page 70)</td>
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<table>
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<th>Inside Sales—Cindy Loput</th>
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<td>Phone</td>
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<td>E-mail</td>
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To stay up to date with new product features, new documentation, and new releases, check our Web site periodically ([http://www.ctsummation.com/SupportResources/ProductUpdates.aspx](http://www.ctsummation.com/SupportResources/ProductUpdates.aspx)).
2. Discovery Cracker Options

Discovery Cracker is highly scalable and offers you great flexibility to support a wide range of processing needs. To achieve this flexibility, you have many installation options to choose from. You can install Discovery Cracker as a desktop application (everything on one computer) or as a distributed application, using two or more computers.

This chapter explains your options. To understand those options, you first need to understand what the Discovery Cracker program does, the environment that is required to support the Discovery Cracker program, and your license options. This is all explained in the following topics:

• An Overview of Discovery Cracker
• Discovery Cracker Components
• The Discovery Cracker Environment
• License Options
• Installation Options

An Overview of Discovery Cracker

The Discovery Cracker electronic data discovery software extracts metadata from e-mail messages and electronic files in over 500 file formats. This is referred to as cracking the files. It stores the metadata in a SQL Server 2005 database. While cracking files, Discovery Cracker stores attachments to files on a file server.

Discovery Cracker also converts e-mail messages and electronic files to an industry standard image format—Group IV TIFF (Tagged Image File Format)—and generates corresponding text files. It also converts these files into searchable PDF format. This is referred to as rendering the files. It stores the TIFF, PDF, and text files on a file server.

Once the files are cracked, rendered, or cracked and rendered (this is referred to as processing the files), a quality control operator can check the quality of the processed files. Files can then be recracked, rerendered, or recracked and rerendered.

After the files are processed and, optionally, quality control is performed, you can assign Bates numbers and package the files into volumes. This is called postprocessing.
Processed and postprocessed files can be exported to files capable of being loaded into third-party software.

**Discovery Cracker Components**

To perform the activities described above, the Discovery Cracker program uses three components:

- **Workflow Manager.** The task manager and communication center for the Discovery Cracker program. QC Server is installed along with Workflow Manager. QC Server manages the DC Detective function of the Discovery Cracker program.

- **DC Engine.** The data processing unit of the Discovery Cracker program. DC Engine cracks and renders files.

- **Discovery Cracker Console.** The main user interface for the Discovery Cracker program. You open Discovery Cracker Console to perform Discovery Cracker administrative tasks; set up folders, projects, groups, and views; run jobs; and perform quality control activities.

The Discovery Cracker installation package includes the **DC Detective Web application**, which is a browser-based tool allowing data to be previewed and identified for further action.

**The Discovery Cracker Environment**

Before you install the Discovery Cracker components, you must first prepare the Discovery Cracker environment.

The Discovery Cracker environment includes:

- The computers that host the Discovery Cracker components, SQL Server 2005, and input and output files.

- Specific network and operating system settings to ensure that all the Discovery Cracker components can communicate with each other.

- Microsoft SQL Server 2005 database. Discovery Cracker works with the Express, Standard, and Enterprise Editions. However, we recommend the Express Edition only for small-scale processing needs. In this document “SQL Server 2005” refers to the Standard or Enterprise Editions.

- The native applications that Discovery Cracker uses when it cracks and renders your electronic files and that are necessary when viewing the native documents when performing quality control activities.
• The configurations that you need to make to some of those applications in order to optimize Discovery Cracker’s processing ability.

**License Options**

Your Discovery Cracker license enables the number of simultaneous DC Engine components you are authorized run. In general, this number is one plus the number of licenses you purchase. For instance, if you purchase a single license, you can install and run two fully functional DC Engines. If you purchase four licenses, you can run five DC Engines. This is possible because the scalable architecture of Discovery Cracker enables you to optimize your hardware by distributing the software across many computers.

You control your Discovery Cracker processing capability with the number of DC Engine components you install and run. The more DC Engines you run, the more processing you can do. This also means that you are able to establish your base system capability and, as your processing needs grow, you simply plug-and-play more DC Engines. Workflow Manager will recognize them and automatically start to balance the load dynamically across all of the available DC Engines.

**NOTE:** If you purchased Discovery Cracker for Legal Professionals, your license includes only one DC Engine. The DC Detective application is not included with your purchase.

**Installation Options**

You can install the Discovery Cracker program as a desktop application with all the components on one computer (a Single-Box Solution) or you can install Discovery Cracker as an Advanced Solution, which allows you to install the components individually. With the advanced solution, you can scale Discovery Cracker according to your business needs, whether you require only two computers, a fully distributed enterprise system, or anything in between.

With both solutions, you can also install the DC Detective application on a separate Web server.

**NOTE:** The DC Detective application is not included with your purchase of Discovery Cracker for Legal Professionals.
Single-Box Solution

When you install a single-box solution, all the Discovery Cracker components are installed on a single computer.

You can choose to have Discovery Cracker Setup install SQL Server 2005 Express on the same computer with Discovery Cracker or you can choose to connect to an existing instance of SQL Server 2005 or SQL Server 2005 Express that has been installed in mixed mode.

**NOTE:** Discovery Cracker Setup installs SQL Server 2005 Express Edition, which does not provide full-text search capability. If you need that functionality in the Express Edition, you can install SQL Server 2005 Express Edition with Advanced Services prior to installing Discovery Cracker. You can install it on the same computer as Discovery Cracker or on a separate computer.

If you connect to an existing instance of SQL Server 2005 or SQL Server 2005 Express that resides on a separate computer, technically you are setting up a distributed environment, which is reflected in the “Checklist for Preinstallation, Installation, and Postinstallation Tasks” on page 3.

For a single-box solution, typically the input files and output files are stored on the Discovery Cracker computer.

Prior to installing Discovery Cracker, you make the necessary network and operating system settings and then install and configure all the native applications on the single-box solution computer.
Figure 2.1 depicts a single-box installation using SQL Server 2005 Express installed on the same computer.

One single computer located on your network that contains all Discovery Cracker components as well as a local copy of SQL Server 2005 Express.

Figure 2.1.
Figure 2.2 depicts a single-box installation connecting to SQL Server 2005 installed on a separate computer in a distributed environment.
Advanced Solution

The Discovery Cracker advanced solution gives you the opportunity to install the Discovery Cracker components individually in a distributed environment.

You can install the components on two or more computers according to the following guidelines:

- **Workflow Manager**
  The Discovery Cracker program works with only one Workflow Manager component. Therefore, you install Workflow Manager (which also installs the QC Server component) on only one computer.

- **DC Engine**
  To increase processing performance, you install the DC Engine component on multiple computers. You can install DC Engine on as many computers as your license allows.

- **Discovery Cracker Console**
  The Discovery Cracker Console component is not licensed. Therefore, you can install Discovery Cracker Console on as many computers as you like.

  **NOTE:** We recommend that you do not install Discovery Cracker Console on any computer hosting DC Engine.

When you install an advanced solution, you connect to an existing instance of SQL Server that has been installed in mixed mode on a separate computer.

You will most likely want to store the input and output files on one or more separate file servers.

Prior to installing the Discovery Cracker components, you make the necessary network and operating system settings on all computers in your Discovery Cracker environment.

Before installing the DC Engine component, you need to install and configure all the native applications on each DC Engine computer.

Before installing the Discovery Cracker Console component on a computer that will be used by a quality control operator, you need to install and configure all the native applications. It is not necessary to install the native applications on a Discovery Cracker Console computer that will be used only for administrative purposes.
Figure 2.3 depicts a single-license, multiple-box system.

With only a single license of Discovery Cracker, you are able to harness the power of a true, multithreaded, parallel processing system. You can install the Discovery Cracker components across multiple computers, allowing you to better optimize your hardware to meet the needs of each of the system functions.
Figure 2.4 depicts a multiple-license, multiple-box system.

This is where the real potential power of Discovery Cracker starts to show. Engines can be added dynamically in a true plug-and-play configuration. If you need to change out an engine, simply drop it off line. Workflow Manager will continue to balance the processing load across as many engines as you choose to put in the system.
3. System Requirements

The system requirements for the Discovery Cracker program environment are presented in the following tables:

Table 3.1: Single-Box Solution Using SQL Server 2005 Express Requirements

Table 3.2: Single-Box Solution Connecting to SQL Server 2005 Requirements

Table 3.3: SQL Server 2005 Computer Requirements

Table 3.4: Workflow Manager/QC Server Computer Requirements

Table 3.5: DC Engine Computer Requirements

Table 3.6: Discovery Cracker Console Computer Requirements

Table 3.7: DC Detective Computer Requirements

Table 3.8: File Server Requirements

The tables present recommended and optimal system requirements. The recommended requirements are suitable for low-volume to medium-volume data throughput needs. The optimal requirements provide an example of what is suitable for high-volume data throughput needs. For higher processing environments, our environmental specialists can recommend custom system requirements to fit your specific circumstances.
### Table 3.1: Single-Box Solution Using SQL Server 2005 Express Requirements

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>COMPONENT</th>
<th>RECOMMENDED REQUIREMENTS</th>
<th>OPTIMAL REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardware</td>
<td>Processor</td>
<td>3.0 GHz or faster Intel® Pentium® 4</td>
<td>2.0 GHz or faster Intel® Dual Core or Duo Intel® Xeon® processors</td>
</tr>
<tr>
<td></td>
<td>Memory</td>
<td>2 GB or more of RAM</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hard Disk</td>
<td>80 GB or larger EIDE or SATA</td>
<td>80 GB or larger SATA or SCSI</td>
</tr>
<tr>
<td></td>
<td>Disk Space</td>
<td>900 MB of available hard disk space to install the Discovery Cracker program. Refer to manufacturer guidelines for the amount of disk space that is needed for the required software listed below.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Network Card</td>
<td>Gigabit Ethernet</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Display</td>
<td>Super VGA supporting 800 x 600 or higher resolution monitor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Installation Method</td>
<td>Disk drive, CD-ROM or DVD-ROM drive, or network share</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other</td>
<td>Mouse, keyboard, an available USB port</td>
<td></td>
</tr>
<tr>
<td>Software</td>
<td>Operating System</td>
<td>One of the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Applications</td>
<td>All of the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Database</td>
<td>All of the following:</td>
<td></td>
</tr>
</tbody>
</table>

**Operating System**
- Microsoft® Windows® XP Professional SP3

64-bit is not currently supported.

**Applications**
- Microsoft® .NET Framework Version 2.0 SP2
- Windows® Internet Explorer® 8.0
- Microsoft® Office Professional Edition 2003 SP3 (SP3 requires that you follow the instructions under "Method 1" at this link: http://support.microsoft.com/kb/938810/) or Microsoft® Office Professional Edition 2007 SP2*

**Other:**
- Adobe® Acrobat® Standard or Professional 9.0 (needed to render PDF files using the native application)
- IBM® Lotus Notes® Client 8.5* (needed if you are going to process NSF files)
- One of the following archive applications (needed if you are going to process compressed files)
  - WinZip® 12.0
  - PowerArchiver 11.0.3
  - WinRAR 3.7.1

All applications listed above support Unicode.

**Database**
- Microsoft® SQL Server® 2005 Express Edition SP2 (Installed by the Discovery Cracker installer)
- Microsoft® SQL Server® 2005 Express Edition with Advanced Services SP2 (Not installed by the Discovery Cracker installer. You can install this edition if you want full-text search capability.)
Permissions Required:
- The user account that runs the Discovery Cracker program must be a member of the administrators group on the computer.
- If you want to access files on the network, the user account that runs the Discovery Cracker program needs full control of the share to read, write, and delete files.
- Microsoft SQL Server: SQL Server Authentication (install in Mixed Mode)

Additional Requirements:
- * You need to install Microsoft Office and Lotus Notes according to specific instructions in order to work properly with the Discovery Cracker program. The instructions are provided in the chapter “Preinstallation Tasks.”
- Discovery Cracker computers need to be dedicated processing computers. Trying to run other programs while the Discovery Cracker program is running could slow down or interfere with processing.
- To prevent conflicts between the Discovery Cracker program and other software, only the software that is listed above should be installed on the Discovery Cracker computer. Be sure to install only the product versions and service packs that are listed. If you would like to install product versions other than those listed or additional software for enhanced processing capabilities, contact Discovery Cracker Product Support at 1-866-833-5377, for guidance.
- We recommend that you keep security patches up to date. **NOTE:** For Windows updates, do not use the Automatic option on the Automatic Updates tab of the System Properties dialog box. You need to use the option that allows you to select which updates to download and install. Do not select updates for a .NET Framework version later than 2.0.
- We recommend that you install and run up-to-date antivirus software while processing. AccessData Group is not liable for any damage caused by viruses embedded in processed documents.
- Consistent network connectivity must be maintained among all Discovery Cracker component computers.

---

### Table 3.1: Single-Box Solution Using SQL Server 2005 Express Requirements

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>COMPONENT</th>
<th>RECOMMENDED REQUIREMENTS</th>
<th>OPTIMAL REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Table 3.2: Single-Box Solution Connecting to SQL Server 2005 Requirements

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>COMPONENT</th>
<th>RECOMMENDED REQUIREMENTS</th>
<th>OPTIMAL REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardware</td>
<td>Processor</td>
<td>3.0 GHz or higher Intel® Pentium® 4</td>
<td>2.0 GHz or faster Intel® Dual Core or Duo Intel® Xeon® processors</td>
</tr>
<tr>
<td></td>
<td>Memory</td>
<td>2 GB of RAM</td>
<td>2 GB or more of RAM</td>
</tr>
<tr>
<td></td>
<td>Hard Disk</td>
<td>80 GB or larger EIDE or SATA</td>
<td>80 GB or larger SATA or SCSI</td>
</tr>
<tr>
<td></td>
<td>Disk Space</td>
<td>800 MB of available hard disk space to install the Discovery Cracker program. Refer to manufacturer guidelines for the amount of disk space that is needed for the required software listed below.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Network Card</td>
<td>Gigabit Ethernet</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Display</td>
<td>Super VGA supporting 800 x 600 or higher resolution monitor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Installation Method</td>
<td>Disk drive, CD-ROM or DVD-ROM drive, or network share</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other</td>
<td>Mouse, keyboard, an available USB port</td>
<td></td>
</tr>
<tr>
<td>Software</td>
<td>Operating System</td>
<td>One of the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Microsoft® Windows® XP Professional SP3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Microsoft® Windows Server® 2003 Standard Edition SP2</td>
<td>64-bit is not currently supported.</td>
</tr>
<tr>
<td></td>
<td>Applications</td>
<td>All of the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Microsoft® .NET Framework Version 2.0 SP2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Windows® Internet Explorer® 8.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Microsoft® Office Professional Edition 2003 SP3</td>
<td>(SP3 requires that you follow the instructions under &quot;Method 1&quot; at this link: <a href="http://support.microsoft.com/kb/938810/">http://support.microsoft.com/kb/938810/</a>) or Microsoft® Office Professional Edition 2007 SP2*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Adobe® Acrobat® Standard or Professional 9.0 (needed to render PDF files using the native application)</td>
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<td></td>
<td></td>
<td>• IBM® Lotus Notes® Client 8.5* (needed if you are going to process NSF files)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• One of the following archive applications (needed if you are going to process compressed files)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• WinZip® 12.0</td>
<td></td>
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<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• WinRAR 3.7.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>All applications listed above support Unicode.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Database Serv-</td>
<td>See Table 3.3: System Requirements for the SQL Server 2005 Computer.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ers Supported</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Permissions Required:
• The user account that runs the Discovery Cracker program must be a member of the administrators group on the computer.
• If you want to access files on the network, the user account that runs the Discovery Cracker program needs full control of the share to read, write, and delete files.
• Microsoft SQL Server: SQL Server Authentication (install in Mixed Mode)

Additional Requirements:
• * You need to install Microsoft Office and Lotus Notes according to specific instructions in order to work properly with the Discovery Cracker program. The instructions are provided in the chapter “Preinstallation Tasks.”
• Discovery Cracker computers need to be dedicated processing computers. Trying to run other programs while the Discovery Cracker program is running could slow down or interfere with processing.
• To prevent conflicts between the Discovery Cracker program and other software, only the software that is listed above should be installed on the Discovery Cracker computer. Be sure to install only the product versions and service packs that are listed. If you would like to install product versions other than those listed or additional software for enhanced processing capabilities, contact Discovery Cracker Product Support at 1-866-833-5377 for guidance.
• We recommend that you keep security patches up to date. **NOTE:** For Windows updates, do not use the Automatic option on the Automatic Updates tab of the System Properties dialog box. You need to use the option that allows you to select which updates to download and install. Do not select updates for a .NET Framework version later than 2.0.
• We recommend that you install and run up-to-date antivirus software while processing. AccessData Group is not liable for any damage caused by viruses embedded in processed documents.
• Consistent network connectivity must be maintained among all Discovery Cracker component computers.

### Table 3.2: Single-Box Solution Connecting to SQL Server 2005 Requirements

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>COMPONENT</th>
<th>RECOMMENDED REQUIREMENTS</th>
<th>OPTIMAL REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Table 3.3: SQL Server 2005 Computer Requirements

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>COMPONENT</th>
<th>RECOMMENDED REQUIREMENTS</th>
<th>OPTIMAL REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardware</td>
<td>Processor</td>
<td>Dual 2.8 GHz or faster Intel® Xeon® Processors</td>
<td>Quad 3.0 GHz or faster Intel® Xeon® processors</td>
</tr>
<tr>
<td></td>
<td>Memory</td>
<td>3 GB or more of RAM</td>
<td>4 GB or more of RAM</td>
</tr>
<tr>
<td></td>
<td>Hard Disk</td>
<td>SATA or SCSI</td>
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</tr>
<tr>
<td></td>
<td>Data Storage Options</td>
<td>Network-attached storage (NAS)</td>
<td>One of the following:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Network-attached storage (NAS)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Storage area network (SAN)</td>
</tr>
<tr>
<td></td>
<td>Network Card</td>
<td>Gigabit Ethernet</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Display</td>
<td>VGA supporting 800 x 600 or higher resolution monitor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other</td>
<td>Keyboard, mouse</td>
<td></td>
</tr>
<tr>
<td>Software</td>
<td>Operating System</td>
<td>Microsoft® Windows Server® 2003 Standard Edition SP2</td>
<td>One of the following:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Microsoft® Windows Server® 2003</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Enterprise Edition SP2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Datacenter Edition SP2</td>
</tr>
</tbody>
</table>

Permissions Required:
- SQL Server authentication (installed in Mixed Mode)

Additional Requirements
- It is recommend that you perform routine database backups.
- Consistent network connectivity must be maintained among all Discovery Cracker component computers.
### Table 3.4: Workflow Manager/QC Server Computer Requirements

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>COMPONENT</th>
<th>RECOMMENDED REQUIREMENTS</th>
<th>OPTIMAL REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardware</td>
<td>Processor</td>
<td>3.0 GHz or faster Intel® Pentium® 4</td>
<td>2.0 GHz or faster Intel® Dual Core or Duo Intel® Xeon® processors</td>
</tr>
<tr>
<td></td>
<td>Memory</td>
<td>1 GB or more of RAM</td>
<td>2 GB or more of RAM</td>
</tr>
<tr>
<td></td>
<td>Hard Disk</td>
<td>80 GB or larger EIDE or SATA</td>
<td>80 GB or larger SATA or SCSI</td>
</tr>
<tr>
<td></td>
<td>Disk Space</td>
<td>200 MB of available hard disk space to install the Discovery Cracker program.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Network Card</td>
<td>Gigabit Ethernet</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Display</td>
<td>Super VGA supporting 800 x 600 or higher resolution monitor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Installation Method</td>
<td>Disk drive, CD-ROM or DVD-ROM drive, or network share</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other</td>
<td>Mouse, keyboard, an available USB port</td>
<td></td>
</tr>
<tr>
<td>Software</td>
<td>Operating System</td>
<td>One of the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Microsoft® Windows® XP Professional SP3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Microsoft® Windows Server® 2003 Standard Edition SP2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>64-bit is not currently supported.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Applications</td>
<td>Microsoft® .NET Framework Version 2.0 SP2</td>
<td></td>
</tr>
</tbody>
</table>

**Permissions Required:**
- The user account that runs the Workflow Manager and QC Server components must be a member of the administrators group on the computer.

**Additional Requirements:**
- The Workflow Manager and QC Server components need to be installed on a dedicated computer.
- We recommend that you keep security patches up to date. **NOTE:** For Windows updates, do not use the Automatic option on the Automatic Updates tab of the System Properties dialog box. You need to use the option that allows you to select which updates to download and install. Do not select updates for a .NET Framework version later than 2.0.
- Consistent network connectivity must be maintained among all Discovery Cracker component computers.
### Table 3.5: DC Engine Computer Requirements

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>COMPONENT</th>
<th>RECOMMENDED REQUIREMENTS</th>
<th>OPTIMAL REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardware</td>
<td>Processor</td>
<td>3.0 GHz or faster Intel® Pentium® 4</td>
<td>2.0 GHz or faster Intel® Dual Core or Duo Intel® Xeon® processors</td>
</tr>
<tr>
<td></td>
<td>Memory</td>
<td>1 GB or more of RAM</td>
<td>2 GB of RAM</td>
</tr>
<tr>
<td></td>
<td>Hard Disk</td>
<td>80 GB or larger EIDE or SATA</td>
<td>80 GB or larger SATA or SCSI</td>
</tr>
<tr>
<td></td>
<td>Disk Space</td>
<td>300 MB of available hard disk space to install the Discovery Cracker program. Refer to manufacturer guidelines for the amount of disk space that is needed for the required software listed below. You also need enough hard disk space to allow items to be processed.</td>
<td></td>
</tr>
<tr>
<td>Network Card</td>
<td></td>
<td>Gigabit Ethernet</td>
<td></td>
</tr>
<tr>
<td>Display</td>
<td></td>
<td>Super VGA supporting 800 x 600 or higher resolution monitor</td>
<td></td>
</tr>
<tr>
<td>Installation Method</td>
<td></td>
<td>Disk drive, CD-ROM or DVD-ROM drive, or network share</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td>Mouse, keyboard</td>
<td></td>
</tr>
<tr>
<td>Software</td>
<td>Operating System</td>
<td>One of the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Microsoft® Windows® XP Professional SP3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Microsoft® Windows® Server® 2003 Standard Edition SP2 64-bit is not currently supported.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Applications</td>
<td>All of the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Microsoft® .NET Framework Version 2.0 SP2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Windows® Internet Explorer® 8.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Microsoft® Office Professional Edition 2003 SP3 (SP3 requires that you follow the instructions under &quot;Method 1&quot; at this link: <a href="http://support.microsoft.com/kb/938810/">http://support.microsoft.com/kb/938810/</a>) or Microsoft® Office Professional Edition 2007 SP2*</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Adobe® Acrobat® Standard or Professional 9.0 (needed to render PDF files using the native application)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• IBM® Lotus Notes® Client 8.5* (needed if you are going to process NSF files)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• One of the following archive applications (needed if you are going to process compressed files)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>•  WinZip® 12.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>•  PowerArchiver 11.0.3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>•  WinRAR 3.7.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>All applications listed above support Unicode.</td>
<td></td>
</tr>
</tbody>
</table>
Permissions Required:
• The user account that runs the DC Engine component must be a member of the administrators group on the computer.
• If you want to access files on the network, the user account that runs the DC Engine component needs full control of the share to read, write, and delete files.

Additional Requirements:
• * You need to install Microsoft Office and Lotus Notes according to specific instructions in order to work properly with the Discovery Cracker program. The instructions are provided in the chapter “Preinstallation Tasks.”
• DC Engine computers need to be dedicated processing computers. Trying to run other programs while the DC Engine is running could slow down or interfere with processing.
• Only the software that is listed above should be installed on the DC Engine computer. Be sure to install only the product versions and service packs that are listed. If you would like to install product versions other than those listed or additional software for enhanced processing capabilities, contact Discovery Cracker Product Support at 1-866-833-5377 for guidance.
• We recommend that you keep security patches up to date. **NOTE:** For Windows updates, do not use the Automatic option on the Automatic Updates tab of the System Properties dialog box. You need to use the option that allows you to select which updates to download and install. Do not select updates for a .NET Framework version later than 2.0.
• We recommend that you install and run up-to-date antivirus software while processing. AccessData Group is not liable for any damage caused by viruses embedded in processed documents.
• Consistent network connectivity must be maintained among all Discovery Cracker component computers.

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>COMPONENT</th>
<th>RECOMMENDED REQUIREMENTS</th>
<th>OPTIMAL REQUIREMENTS</th>
</tr>
</thead>
</table>

Table 3.5: DC Engine Computer Requirements
## Table 3.6: Discovery Cracker Console Computer Requirements

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>COMPONENT</th>
<th>RECOMMENDED REQUIREMENTS</th>
<th>OPTIMAL REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hardware</strong></td>
<td>Processor</td>
<td>3.0 GHz or faster Intel® Pentium® 4</td>
<td>2.0 GHz or faster Intel® Dual Core or Duo Intel® Xeon® processors</td>
</tr>
<tr>
<td></td>
<td>Memory</td>
<td>1 GB or more of RAM</td>
<td>2 GB or more of RAM</td>
</tr>
<tr>
<td></td>
<td>Hard Disk</td>
<td>80 GB or larger EIDE or SATA</td>
<td>80 GB or larger SATA or SCSI</td>
</tr>
<tr>
<td></td>
<td>Disk Space</td>
<td>200 MB of available hard disk space to install the Discovery Cracker program. Refer to manufacturer guidelines for the amount of disk space that is needed for the required software listed below.</td>
<td></td>
</tr>
<tr>
<td><strong>Network Card</strong></td>
<td></td>
<td>Gigabit Ethernet</td>
<td></td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td></td>
<td>Super VGA supporting 800 x 600 or higher resolution monitor</td>
<td></td>
</tr>
<tr>
<td><strong>Installation Method</strong></td>
<td>Disk drive, CD-ROM or DVD-ROM drive, or network share</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Other</strong></td>
<td></td>
<td>Mouse, keyboard</td>
<td></td>
</tr>
</tbody>
</table>

| **Software**   | Operating System | One of the following:                       |                                            |
|                |                  | • Microsoft® Windows® XP Professional SP3   |                                            |
|                |                  | • Microsoft® Windows Server® 2003 Standard Edition SP2 |                                            |
|                |                  | 64-bit is not currently supported.         |                                            |

| **Applications** | All of the following: |                                            |                                            |
|                  | • Microsoft® .NET Framework Version 2.0 SP2 |                                            |
|                  | • Windows® Internet Explorer® 8.0          |                                            |
|                  | • Microsoft® Office Professional Edition 2003 SP3 (SP3 requires that you follow the instructions under “Method 1” at this link: http://support.microsoft.com/kb/938810/) or Microsoft® Office Professional Edition 2007 SP2* |                                            |
|                  | **Other:** |                                            |                                            |
|                  | • Adobe® Acrobat® Standard or Professional 9.0 (needed to render PDF files using the native application) |                                            |
|                  | • IBM® Lotus Notes® Client 8.5* (needed if you are going to process NSF files) |                                            |
|                  | • One of the following archive applications (needed if you are going to process compressed files) |                                            |
|                  | • WinZip® 12.0 |                                            |
|                  | • PowerArchiver 11.0.3 |                                            |
|                  | • WinRAR 3.7.1 |                                            |

All applications listed above support Unicode.

Permissions Required:
- The user account that runs the Discovery Cracker Console component must be a member of the administrators group on the computer.
- If you want to access files on the network, the user account that runs the Discovery Cracker Console component needs full control of the share to read, write, and delete files.

Additional Requirements:
- * You need to install Microsoft Office and Lotus Notes according to specific instructions in order to work properly with the Discovery Cracker program. The instructions are provided in the chapter “Preinstallation Tasks.”
- Discovery Cracker Console computers need to be dedicated computers.
- We recommend that you keep security patches up to date. **NOTE:** For Windows updates, do not use the Automatic option on the Automatic Updates tab of the System Properties dialog box. You need to use the option that allows you to select which updates to download and install. Do not select updates for a .NET Framework version later than 2.0.
- Consistent network connectivity must be maintained among all Discovery Cracker component computers.
### Table 3.7: DC Detective Computer Requirements

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>COMPONENT</th>
<th>RECOMMENDED REQUIREMENTS</th>
<th>OPTIMAL REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hardware</strong></td>
<td>Processor</td>
<td>2.2 GHz or higher Intel® Pentium® 4</td>
<td>2.8 GHz Intel® Pentium® 4 or Intel® Xeon® processor</td>
</tr>
<tr>
<td></td>
<td>Memory</td>
<td>1 GB of RAM</td>
<td>2 GB of RAM</td>
</tr>
<tr>
<td></td>
<td>Hard Disk</td>
<td>80 GB EIDE or SATA</td>
<td>80 GB or more SATA or SCSI</td>
</tr>
<tr>
<td></td>
<td>Disk Space</td>
<td>100 MB of available hard disk space to install the Discovery Cracker program.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Network Card</td>
<td>Gigabit Ethernet</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Display</td>
<td>Super VGA supporting 800 x 600 or higher resolution monitor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Installation Method</td>
<td>Disk drive, CD-ROM or DVD-ROM drive, or network share</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other</td>
<td>Mouse, keyboard</td>
<td></td>
</tr>
<tr>
<td><strong>Software</strong></td>
<td>Operating System</td>
<td>One of the following:</td>
<td>One of the following:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Microsoft® Windows® XP Professional SP3</td>
<td>• Microsoft® Windows Server® 2003</td>
</tr>
<tr>
<td></td>
<td></td>
<td>64-bit is not currently supported.</td>
<td>• Enterprise Edition SP2</td>
</tr>
<tr>
<td></td>
<td>Applications</td>
<td>• Microsoft® .NET Framework Version 2.0 SP2</td>
<td>64-bit is not currently supported.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• One of the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Internet Information Services (IIS) Server 5.1 for use with Microsoft® Windows® XP</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Internet Information Services (IIS) Server 6.0 for use with Microsoft® Windows Server® 2003</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Internet Information Services (IIS) Server 6.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Permissions Required:
- If you want to access files on the network, the user account that runs the DC Detective needs full control of the share to read, write, and delete files.

Additional Requirements:
- We recommend that you install the DC Detective application on a dedicated Web server.
- Consistent network connectivity must be maintained among all Discovery Cracker component computers.
### Table 3.8: File Server Requirements

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>COMPONENT</th>
<th>RECOMMENDED REQUIREMENTS</th>
<th>OPTIMAL REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardware</td>
<td>Processor</td>
<td>2.8 GHz or faster Intel® Xeon® Processors</td>
<td>Dual 3.0 GHz or faster Intel® Xeon® processors</td>
</tr>
<tr>
<td></td>
<td>Memory</td>
<td>1 GB or more of RAM</td>
<td>2 GB or more of RAM</td>
</tr>
<tr>
<td></td>
<td>Hard Disk</td>
<td>SATA or SCSI</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Data Storage Options</td>
<td>Network-attached storage (NAS)</td>
<td>One of the following:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Network-attached storage (NAS)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Storage area network (SAN)</td>
</tr>
<tr>
<td></td>
<td>Network Card</td>
<td>Gigabit Ethernet</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Display</td>
<td>VGA supporting 800 x 600 or higher resolution monitor</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other</td>
<td>Keyboard, mouse</td>
<td></td>
</tr>
</tbody>
</table>

**Additional Requirements**
- We recommend that you perform routine database backups.
- Consistent network connectivity must be maintained among all Discovery Cracker component computers.
4. Preinstallation Tasks

Before installing one or more Discovery Cracker components, there are preinstallation steps you must perform to prepare the environment for Discovery Cracker processing.

This includes installing the proper database and the native applications that Discovery Cracker uses to process the files. Once installed, you need to configure those applications properly to work with the Discovery Cracker software. You also need to make special configuration settings in the Microsoft Windows operating system. The installations and settings that you need to make depend on what Discovery Cracker component you are going to install or whether the computer is going to be used for SQL Server, as a file server, or as the DC Detective Web server.

Because of the complexity of setting up the environment correctly, we recommend that network administrators perform the Discovery Cracker environment setup and installation.

If you use any edition of SQL Server other than Express, we recommend that you have database administration expertise available to install and maintain your SQL Server infrastructure.

Each computer on which you install one or more Discovery Cracker components must be configured exactly as described herein. To prevent conflicts between the Discovery Cracker program and other software, install only the software that is listed in the system requirements for each component.

If you would like to install product versions other than those listed or additional software for enhanced processing capabilities, contact Discovery Cracker Product Support at 866-833-5377 for guidance.

The best practice is to start with a clean computer.

The instructions in this chapter are organized in the following manner:
• Network Administration
• Microsoft Windows Configuration
• Applications Required for Processing
Network Administration

Network administrative tasks include ensuring that all computers and files in your Discovery Cracker environment are on the same domain or workgroup, ensuring that every computer that runs a Discovery Cracker component has the correct version of .NET Framework installed, creating a Discovery Cracker common Windows user account, and ensuring that the instance of SQL Server 2005 you are going to use is installed correctly.

Domain or Workgroup

The following instructions apply to:

- Single-box solution
- SQL Server computer
- Workflow Manager computer
- DC Engine computer
- Discovery Cracker Console computer
- DC Detective Web server
- File server

All Discovery Cracker computers, the SQL Server computer, source files, output files, and reference files need to be on the same domain or workgroup. (Refer to Procedure 6.2 To make settings on the Workflow Manager Settings pane on page 66.)

.NET Framework 2.0

The Discovery Cracker program was built on the Microsoft .NET Framework version 2.0 (service pack 2). Therefore, you need to ensure that .NET Framework 2.0 (service pack 2) is installed on the following computers:

- Single-box solution
- SQL Server computer (NOTE: SQL Server Setup installs .Net Framework 2.0)
- Workflow Manager computer
- DC Engine computer
- Discovery Cracker Console computer
- DC Detective Web server

NOTE:
Discovery Cracker requires .NET Framework 2.0 (service pack 2). It will not work with any other version. If .NET Framework 1.x is installed, you also need to install .NET Framework 2.0 (you can leave 1.x, if necessary). If .NET Framework 3.0 or later is installed, you must uninstall that version and install only version 2.0 with service pack 2 applied. In addition, it is very
important that all of the Discovery Cracker components are on the same version and service pack of .NET Framework.

For Windows updates, do not use the Automatic option on the Automatic Updates tab of the System Properties dialog box. You need to use the option that allows you to select which updates to download and install. Do not select updates for a .NET Framework version later than 2.0 other than hot fixes or service packs for version 2.0.

Discovery Cracker Common Windows User Account

The following instructions apply to:

- Single-box solution
- Workflow Manager computer
- DC Engine computer
- Discovery Cracker Console computer*
- DC Detective Web server
- File server

In order for the Workflow Manager computer to communicate with the DC Engine computer, you must use the same Windows user ID and password for both computers.

Also, setting up the anonymous user account for the DC Detective Web site requires that you use a common user account.

In addition, some of the preinstallation configurations that the Discovery Cracker program requires for processing are user specific.

Therefore, we recommend that you create a Discovery Cracker common Windows user account and use it when configuring computers that will host Discovery Cracker components.

*It is optimal to use the Discovery Cracker common Windows user account with the Discovery Cracker Console computer but it is not required.

Procedure 4.1 To create the Discovery Cracker common Windows user account
1. Do one of the following:
   - In a domain environment, create the account on the domain controller.
   - In a workgroup environment, create the account on each computer.
2. Add the Discovery Cracker common Windows user account to the local administrators group on each computer that will host one or more Discovery Cracker components.

**NOTE:** The account password cannot be blank.

**SQL Server 2005**

The Discovery Cracker program uses Microsoft SQL Server 2005 as its database. Discovery Cracker works with the Express, Standard, and Enterprise Editions. However, we recommend the Express Edition only for small-scale processing needs.

If you use any edition other than Express, we recommend that you have database administration expertise available to install and maintain your SQL Server infrastructure.

For the SQL Server 2005 instance that Discovery Cracker will connect to, you need to ensure the following:

- **SQL Server 2005 is installed in Mixed Mode.** The Discovery Cracker program uses SQL Server Authentication. If you need to change the authentication mode, see “How to: Change Server Authentication Mode” at [http://msdn2.microsoft.com/en-us/library/ms188670.aspx](http://msdn2.microsoft.com/en-us/library/ms188670.aspx)

- **SQL Server Browser service is enabled.** The SQL Server Browser service is enabled by default when you install any edition of SQL Server 2005 other than Express.

  When you install SQL Server 2005 Express, the SQL Server Browser service is disabled by default.

  If you want to connect to a previously installed instance of SQL Server 2005 Express, you need to enable the service. Perform Procedure 4.2.

**Procedure 4.2 To enable the SQL Server Browser service**

1. From the **Start** menu, select **Control Panel**, select **Administrative Tools**, and then select **Services**.

2. In the **Services (Local)** dialog box, double-click **SQL Server Browser**.

3. In the **SQL Services Browser Properties (Local Computer)** dialog box, on the **General** tab, in the **Startup type** drop-down box, select **Automatic**.

4. Select **Apply**.

5. Select **Start**.

6. Select **OK**.
For more advanced information on the proper setup of SQL Server including recommended raid configurations and processor information, review *SQL Server Standard Configuration-Discovery Cracker.pdf* which is located in your Discovery Cracker documentation folder. You can access this document from the Start menu: Start>Programs or All Programs>Discovery Cracker>Documentation.

### Microsoft Windows Configuration

You need to make certain settings in the Microsoft Windows operating system on the computers in your Discovery Cracker environment. Some of the settings need to be made on all computers; some need to be made on only certain computers. The instructions below indicate which computers need to be configured and explain how to do so.

### Enable Network MSDTC Access

The following instructions apply to:

- Single-box solution
- SQL Server computer
- Workflow Manager computer
- DC Engine computer
- Discovery Cracker Console computer

You must enable network MSDTC access.

Procedure 4.3 To enable network MSDTC access

1. From the Start menu, select Control Panel, select Administrative Tools, and then select Component Services.
2. In the Component Services dialog box, expand Component Services, and then expand Computers.
3. Right-click My Computer, and then select Properties.
4. In the My Computer Properties dialog box, select the MSDTC tab.
5. Select Security Configuration.
6. Select the Network DTC Access check box.
7. Select the Allow Remote Clients check box.
8. Select the Allow Inbound and Allow Outbound check boxes.
9. Select the option No Authentication Required.
10. Select **OK**.
   A dialog box displays the message, "MSDTC service will be stopped and restarted. All dependent services will be stopped. Please press yes to proceed."

11. Select **Yes**.
   The DTC Console Message dialog box is displayed with the message, “MSDTC service has been restarted.”

12. Select **OK**.

13. Select **OK**.

14. In the **Component Services** dialog box, select **Services (Local)**.

15. In the **Services (Local)** dialog box, scroll down the list of names until you find **Distributed Transaction Coordinator**.

16. Confirm that the **Status** is **Started** and the **Startup Type** is **Automatic**.
   - If so, proceed to step 21.
   - If not, double-click **Distributed Transaction Coordinator**.

17. In the **Distributed Transaction Coordinator Properties (Local Computer)** dialog box, on the **General** tab, in the **Startup type** drop-down box, select **Automatic**.

18. If **Service status** is **Stopped**, select **Start**.

19. Select **OK**.

20. Close the **Services (Local)** dialog box and the **Administrative Tools** dialog box.

21. If you have the firewall enabled, add the program msdtc.exe to the list of exceptions. Do the following:
   a. From the **Start** menu, select **Control Panel**, and then select **Windows Firewall**.
   b. Select the **Exceptions** tab.
   c. Select **Add Program**.
   d. Select **Browse**.
   e. Navigate to C:\WINDOWS\system32.
   f. Double-click the file **msdtc.exe** to add it to the list of exceptions.
Set User Rights

The following instructions apply to:
• Single-box solution, if you are connecting to a separate SQL Server computer
• SQL Server Computer
• Workflow Manager computer
• DC Engine computer
• Discovery Cracker Console computer
• DC Detective Web server
• File server

In a distributed environment, you must grant the local security right **Access this computer from the network** to the Discovery Cracker common Windows user account.

Procedure 4.4 To set user rights
1. From the **Start** menu, select **Control Panel**, select **Administrative Tools**, and then select **Local Security Policy**.
2. In the **Local Security Settings** dialog box, make sure **Local Policies** is expanded and **User Rights Assignment** is selected.
3. In the right pane, in the **Policy** column, right-click **Access this computer from the network**, then select **Properties**.
4. On the **Local Security Setting** tab, add the Discovery Cracker common Windows user account to the list.

Disable Error Reporting

The following instructions apply to:
• Single-box solution
• Workflow Manager computer
• DC Engine computer
• Discovery Cracker Console computer

You must disable error reporting.

Procedure 4.5 To disable error reporting
1. From the **Start** menu, right-click **My Computer**.
2. Select **Properties**.
3. Select the **Advanced** tab.
4. Select the **Error Reporting** button.
5. Select **Disable error reporting** and clear the check box **But notify me when critical errors occur**.
Disable Simple File Sharing

The following instructions apply to:
- Single-box solution
- Workflow Manager computer
- DC Engine computer
- Discovery Cracker Console computer

You must disable simple file sharing.

Procedure 4.6  To disable simple file sharing
1. Open Windows Explorer.
2. Select Tools.
3. Select Folder Options.
4. On the View tab, in the Advanced settings area, ensure that the Use simple file sharing check box is cleared.

Create and Share Discovery Cracker Folders

The following instructions apply to:
- Single-box solution
- File server
- Any computer that hosts input files, output files, and reference files

Discovery Cracker settings require that you identify the folders (directories) that will contain the project (output) files, the reference files, and the work items (source files). (See Procedure 6.2 To make settings on the Workflow Manager Settings pane on page 66.)

You need to identify or create those folders and share them. Assign the permission Full Control to Everyone for those folders, so folders can be created and files can be added, deleted, and viewed.

When identifying or creating the folders, you need to take the following into consideration:
- All the folders need to be on the same domain or workgroup as the Discovery Cracker components and SQL Server 2005.
- You must select shared network folders that all DC Engine computers can access.
- The selection for project files and reference files cannot be changed once it is made.
NOTE: If you will not be the one making the **Network** and **Default Directories** settings on the **Workflow Manager Settings** pane when first logging in to Discovery Cracker, be sure to let that person (typically, it is the Discovery Cracker administrator) know:

- Which domain or workgroup to choose.
- Which folders to point to when selecting default directories.

### Disable Multiple Network Cards

The following instructions apply to:

- Single-box solution
- Discovery Cracker Console computer

You must disable multiple network cards.

If you have two active network cards on the Discovery Cracker Console computer, you will experience a slow response time with the user interface. For example, if you have a LAN connection and a wireless connection active at the same time, you should disable the wireless connection.

### Enable Computer Browser Service

The following instructions apply to:

- Single-box solution
- Discovery Cracker Console computer

To ensure that you are able to browse to network shares, the Computer Browser service must be enabled and running.

Procedure 4.7  To enable the Computer Browser service

1. From the **Start** menu, select **Control Panel**, select **Administrative Tools**, and then select **Services**.
2. In the **Services (Local)** dialog box, double-click **Computer Browser**.
3. In the **Computer Browser Properties (Local Computer)** dialog box, on the **General** tab, in the **Startup type** dropdown box, select **Automatic**.
4. Select **Apply**.
5. Select **Start**.
6. Select **OK**.

### Install Supplemental Language Support

The following instructions apply to:

- Single-box solution
- DC Engine computer
• Discovery Cracker Console computer

In order to take advantage of Discovery Cracker’s support of the Unicode™ Standard, you must install supplemental language support.

Procedure 4.8 To install supplemental language support
1. From the Start menu, select Control Panel, and then select Regional and Language Options.
2. In the Regional and Language Options dialog box, select the Languages tab.
3. In the Supplemental language support area, select the Install files for complex script and right-to-left languages (including Thai) check box and the Install files for East Asian languages check box.

Install Internet Information Services

The following instructions apply to:
• DC Detective Web server

You must install Internet Information Services (IIS) on the computer on which you wish to install the DC Detective Web application.

Enable ASP.NET

The following instructions apply to:
• DC Detective Web server (applies only to the Windows Server 2003 operating system)

If the computer on which you install the DC Detective Web application runs the Windows Server 2003 operating system, you must ensure that ASP.NET is enabled.

Procedure 4.9 To enable ASP.NET

Prerequisite: You have installed Internet Information Services.

Steps:
1. On the DC Detective Web server, from the Start menu, select Control Panel, select Administrative Tools, and then select Internet Information Services (IIS) Manager.
2. From the IIS manager, select the server name.
3. Select the Web Service Extensions folder.
4. Within the Web Service Extensions folder, select ASP.NET v2.0.50727.
5. Select **Allow** to enable ASP.NET.

### Applications Required for Processing

All the instructions in this section apply to:
- Single-box solution
- DC Engine computer
- Discovery Cracker Console computer (if the computer is going to be used by quality control operators)

You must install the following native applications. Discovery Cracker uses the applications to process files.
- Windows Internet Explorer 8.0
- Microsoft Office Professional Edition 2003 SP3 (SP3 requires that you follow the instructions under “Method 1” of this link: [http://support.microsoft.com/kb/938810/](http://support.microsoft.com/kb/938810/)) or Microsoft Office Professional Edition 2007 SP2
- Adobe Acrobat Standard or Professional Edition 9.0 (if you want to render PDF files using the native application)
- One of the following archive applications (if you are going to process compressed files):
  - WinZip 12.0
  - PowerArchiver 11.0.3
  - WinRAR 3.7.1
- IBM Lotus Notes Client 8.5 (if you are going to process Lotus Notes NSF files)

You need to use the following instructions for:
- Internet Explorer (configuration instructions)
- Microsoft Office Professional Edition 2003 or 2007 (installation and configuration instructions)
- WinZip 12 (configuration instructions)
- Lotus Notes Client (installation and configuration instructions)

### Internet Explorer

To properly configure Internet Explorer, you must:
- Use the Discovery Cracker common Windows user account when making the settings described in this section.
- Set Microsoft Office Outlook as the default e-mail client. See Procedure 4.10.
- Delete header and footer information. See Procedure 4.11.
Procedure 4.10  To set your e-mail client
1. Open Internet Explorer.
2. From the Tools menu, select Internet Options, the Programs tab.
3. In the E-mail box, verify that Microsoft Office Outlook is selected.
4. Select OK to close the Internet Options dialog box.

Procedure 4.11  To delete header and footer information
1. In Internet Explorer, from the File menu, select Page Setup.
2. In the Page Setup dialog box, delete the information in the Header text box and in the Footer text box.
3. Select OK to close the Page Setup dialog box.

Microsoft Office Professional Edition 2003 or 2007


NOTE: When you upgrade to Microsoft Office 2007 from Microsoft Office 2003, the custom installation is maintained. Your custom configuration settings should also be maintained. However, we recommend that you follow the instructions in Procedure 4.14, Procedure 4.15, and Procedure 4.16 to be sure the settings are correct.

Installing Microsoft Office Professional Edition 2003

Procedure 4.12  To perform a custom installation of Microsoft Office Professional Edition 2003

Prerequisites:
- Ensure that Microsoft .NET Framework 2.0 is installed (see page 31) before installing Microsoft Office Professional. This is necessary in order for the custom installation to include .NET Programmability Support.

Steps:
1. In the Microsoft Office 2003 Setup wizard, on the Product Key dialog box, type your product key; then select Next.

2. On the User Information dialog box, type your user name, initials, and name of your organization; then select Next.

3. On the Type of Installation dialog box:
   a. Select Custom Install.
   b. Accept the default location for the installation or select the Browse button to choose a different location.
   c. Select Next.

4. On the Custom Setup dialog box:
   a. Accept the selected applications.
   b. Select Choose advanced customization of applications.
   c. Select Next.

5. On the Advanced Customization dialog box:
   a. Select the arrow to the left of Microsoft Office to reveal a list of commands.
   b. Select Run all from My Computer.
   c. Select Next.

6. On the Summary dialog box, select Install.

Installing Microsoft Office Professional Edition 2007

Procedure 4.13  To perform a custom installation of Microsoft Office Professional Edition 2007

Prerequisites:

- Ensure that Microsoft .NET Framework 2.0 is installed (see page 31) before installing Microsoft Office Professional. This is necessary in order for the custom installation to include .NET Programmability Support.

Steps:

1. In the Microsoft Office Professional 2007 installation wizard, on the Enter your Product Key dialog box, type your product key; then select Continue.

2. On the Choose the installation you want dialog box, select Customize.

3. On the Installation Options tab, select the item Microsoft Office and then select the down arrow to the left to reveal a list of commands.
4. Select Run all from My Computer.
5. Select Install Now.

### Configuring Microsoft Office Outlook

Discovery Cracker opens Microsoft Office Outlook when it processes files of any type. You need to configure Microsoft Office Outlook for Discovery Cracker production, not for sending or receiving e-mail messages. You must:

- Use the Discovery Cracker common Windows user account when making the settings described in this section.
- Create a default e-mail account that contains no personal information. In a normal processing environment, there should be only one e-mail account on the Discovery Cracker computer. See Procedure 4.14.
- Turn off tracking options.
  Turn off tracking options so Discovery Cracker will not send a response to anyone who is tracking e-mail. See Procedure 4.15.
- Turn off the send/receive function.
  Turn off the send/receive function so Discovery Cracker will not use system resources during processing trying to download or send e-mail. See Procedure 4.16.

**NOTE:** If you install Microsoft Office 2007 on any of your Discovery Cracker computers, when you start Microsoft Office Outlook, you will see the dialog boxes shown in Figure 4.1 to Figure 4.4. Make the selections indicated. This is especially important for the DC Engine computers.

![Figure 4.1](image-url)
On the Privacy Options dialog box (Figure 4.1), clear the Search Microsoft Office Online for Help content when I'm connected to the Internet check box.

![Figure 4.2](image)

**Figure 4.2.**

On the Microsoft Office Outlook dialog box about the Instant Search feature in Outlook (Figure 4.2), select the Do not show this message again check box and select No.

![Figure 4.3](image)

**Figure 4.3.**

On the Microsoft Office Outlook dialog box about the list of RSS Feeds (Figure 4.3), select No.

![Figure 4.4](image)

**Figure 4.4.**
On the Microsoft Office Outlook dialog box about detecting a new account (Figure 4.4), select No.

Procedure 4.14 To set up the proper e-mail account

You access the location to set up an e-mail account in various ways, depending on which Microsoft Office Outlook version you are using and whether you perform a new installation or an upgrade.

The following steps apply to a new installation of Microsoft Office Outlook 2003. When configuring Microsoft Office Outlook 2007, the labels may be different. However, use the same settings as indicated below.

1. Open Microsoft Office Outlook 2003 to start the Outlook 2003 Startup wizard:

2. Select Next.

3. In the E-mail Accounts dialog box, select Yes to configure an E-mail account.

4. In the Server Type dialog box, select POP3.

Even though you are not going to connect to a server and download e-mail while you are processing, you have to choose an e-mail account server type. The Discovery Cracker program works best with POP3. It does not work with Microsoft Exchange Server at all.

5. In the Internet E-mail Settings (POP3) dialog box:

   a. Type an underscore ( _ ) for the following items:
      - Your Name
      - Incoming mail server (POP3)
      - Outgoing mail server (SMTP)
      - User Name
   b. Type an at symbol (@) for the E-mail Address.
   c. Clear the Remember password check box.
   d. Select Next.

6. In the Congratulations! dialog box, select Finish to close the wizard.

   The Outlook Send/Receive Progress dialog box is displayed.

7. Close the Outlook Send/Receive Progress dialog box.
Procedure 4.15 To turn off tracking options
1. From the Inbox - Microsoft Outlook dialog box, select Tools, Options, the Preferences tab, E-mail Options, Tracking Options.
2. In the Tracking Options dialog box:
   a. Clear all check boxes.
   b. Select the option button Never send a response.
   c. Select OK.
3. Select OK to return to the Options dialog box.

Procedure 4.16 To turn off the Send/Receive function
1. In the Options dialog box, select the Mail Setup tab, Send/Receive.
2. In the Send/Receive Groups dialog box, clear all check boxes.
3. Select Edit.
4. Clear the check box Include the selected account in this group.
5. Select OK.
6. Select Close to return to the Options dialog box.
7. Select the Other tab, Advanced Options, Service Options.
8. In the Service Options dialog box, select No, I don't wish to participate.
9. Select OK.
10. Select OK.
11. Select OK.

WinZip 12
If you use WinZip 12 as your archive application, when you process archived (compressed) files, Windows Explorer will remain open during processing.

To prevent this from happening, you need to perform the following steps on each DC Engine computer on which WinZip 12 is installed.
1. Create a test zip file.
2. Open the file in WinZip.
3. On the **Options** menu, make sure that **Save Settings on Exit** is checked.

4. Select the **Extract** icon.

5. In the **Extract** dialog box, clear the **Open Explorer window** check box.

6. Select **Extract**.
Lotus Notes Client

If you plan to process Lotus Notes NSF files, you need to install and configure Lotus Notes Client according to the following instructions.

Installing Lotus Notes Client

Procedure 4.17  To install Lotus Notes Client

- Use an underscore ( _ ) in the User Name and Organization (or Company) fields.
- Install as a single user (this is the default installation).
- Accept the default list of features to install.
- Do not make Notes your default e-mail program.
- Registration of Lotus Notes Client is not necessary.

Configuring Lotus Notes Client

You must use the Discovery Cracker common Windows user account when making the settings described in this section.

Procedure 4.18  To configure Lotus Notes Client

1. Open Lotus Notes.
   Discovery Cracker needs to reference the user.id. Opening the Lotus Notes program generates the user.id file (located by default in C:\Program Files\lotus\notes\data\ user.id).
2. Configure Lotus Notes.
   - Use an underscore ( _ ) in the Your Name field.
   - Do not connect to a Domino server.
   - Do not set up instant messaging.
   - Do not set up any additional services.
   - Do not make Lotus Notes your default e-mail program.
     If presented with the option, select the check box In the future, do not perform this check.
   - Accept other default setup options.
   - Close Lotus Notes. If the IBM Lotus Notes dialog box displays the question, "Are you sure you want to exit from Notes?", select the check box In the future, exit without prompting, and select Yes.

Procedure 4.19  To set user security permissions

1. Open Lotus Notes.
2. From the File menu, point to Security, and then select User Security.
3. In the User Security dialog box, expand What Others Do.
4. Select Using Workstation.
In the Execution Control List (the **When code is signed by** box), you see the following signatures: -Default-, -No Signature-, and _/_.

5. One at a time, select each of those three signatures and select all the permissions in the **Allow access to** area and the **Allow ability to** area.

6. Select **OK**.

   The **IBM Lotus Notes** dialog box displays "Successful change to your Execution Control List!"

7. Select **OK**.


Procedure 4.20 To enable Unicode display

1. Open Lotus Notes.

2. From the **File** menu, point to **Preferences**, and then select **User Preferences**.

3. On the **Basics** tab, in the **Additional Options** list, ensure that **Enable Unicode display** is checked.

4. Select **OK**.

5. Close Lotus Notes.

After you install and configure Lotus Notes Client, you need to verify that the Multi User Cleanup Service is not running.

Procedure 4.21 To verify that the Multi User Cleanup Service is not running

1. From the **Start** menu, select **Control Panel**, select **Administrative Tools**, and then select **Services**.

2. In the **Services** dialog box, look for **Multi User Cleanup Service**.

3. Do one of the following:

   - If it is not listed, do nothing, and exit the **Services** dialog box.
   - If it is listed:
     
     Verify that the **Startup Type** is **Manual** and the **Status** column is cleared.
     
     If those are not the settings:

     1. Double-click **Multi User Cleanup Service** to open the **Properties** dialog box.
     
     2. In the **Startup type** box, select **Manual**.
3. Under **Service status**, select **Stop**.
4. Select **OK**.
5. Close the **Services** dialog box.
5. Installation Instructions

Depending on your business needs and your environment, you can install the Discovery Cracker program on a single computer, or you can install the different components on multiple computers for an advanced solution. You can also choose to install the DC Detective Web application.

This chapter contains instructions for:
- Installing Discovery Cracker as a Single-Box Solution
- Installing Discovery Cracker for an Advanced Solution
- Installing the DC Detective Web Application

Installing Discovery Cracker as a Single-Box Solution

The Discovery Cracker single-box solution installs the Discovery Cracker Console, the DC Engine, and the Workflow Manager (including QC Server) components on a single computer.

Procedure 5.1 To install Discovery Cracker on a single computer

Prerequisites:
- You have verified that the computer meets the system requirements for a single-box solution. See chapter 3.
- You have set up the proper environment following the preinstallation instructions in chapter 4.
- You have logged in to the computer using the Discovery Cracker common Windows user account.

Steps:
1. Start the installer by doing one of the following:
   - If you downloaded the software from the Discovery Cracker Web site, run the Discovery Cracker executable file from your download location.
   - If you have the installation CD, insert the CD in your CD drive and select Install Discovery Cracker.
2. On the Welcome to AD Summation Discovery Cracker Setup Wizard dialog box, select Next.
3. On the License Agreement dialog box:
   a. Read the license agreement.
   b. If you agree to the license agreement, select the I accept the terms in the license agreement check box.
c. Select Next.

4. On the Installation Options dialog box:
   b. Select Next.

5. On the Microsoft SQL Server dialog box, do one of the following:
   - If you want to use an existing instance of SQL Server:
     1. Select Connect to existing instance of SQL Server 2005. (This also applies to an existing instance of SQL Server 2005 Express.)
     2. Select Next.
     3. On the Microsoft SQL Server Connection dialog box:
        1. In the Server name box, enter the name of an instance of SQL Server. Select Browse to display a list of existing SQL Servers and choose one.
        2. In the Login box, type the login ID.
        3. In the Password box, type the password for the selected instance of SQL Server.
        4. Select Test Connection to confirm that you have entered the correct information.
        5. In the Database name box, to create a new manager database, type a name for the database. To use an existing manager database, type the name or select Browse to display a list of existing databases and choose one.
           NOTE: Only one Workflow Manager can point to a manager database. If you select an existing manager database, ensure that another Workflow Manager is not pointing to it.
        6. Select Next.
   - If you want to install SQL Server 2005 Express:
     2. Type a password for the “sa” account.
     3. Confirm the password.
     4. Select Next.

5. On the Installation Location dialog box:
a. Accept the default path, or select **Browse** to select a different path.

b. Select **Next**.

6. On the **USB Dongle Initialization** dialog box, type the dongle's serial number in the **Serial number** box. The serial number is located on the tag attached to the dongle. Type the alphanumeric characters as they appear on the tag (the letters are case sensitive).

If you do not have the dongle for the Workflow Manager computer, you can initialize it later. See “Authorizing Discovery Cracker” on page 70.

7. The **Installation Summary** dialog box gives you the opportunity to confirm your installation selections.
   - To make changes, select **Back**.
   - If correct, select **Install**.

8. When installation is completed, select **Finish** to exit the installer.

   The message “You must restart the computer before starting Discovery Cracker” is displayed.

9. Select **OK**, then restart the computer.

   Icons for Workflow Manager, QC Server, Discovery Cracker Console, and DC Engine are displayed on the desktop.

---

**Reinstalling a Single-Box Solution**

To reinstall a single-box solution and connect to the instance of SQL Server Express that was previously installed by Discovery Cracker Setup:

1. Enable the SQL Server Browser service. See Procedure 4.2 To enable the SQL Server Browser service on page 33.

2. Install the single-box solution. See Procedure 5.1 To install Discovery Cracker on a single computer on page 51.

   For step 5, do the following:

   a. Select **Connect to existing instance of SQL Server 2005**.

   b. Select **Next**.

   c. The **Microsoft SQL Server Connection** dialog box is displayed.
1. In the **Server name** box, enter `[COMPUTER-NAME]\DISCOVERYCRACKER`.

2. In the **Login** box, type `sa`

3. In the **Password** box, type the password you used when you installed the single-box solution previously and selected the **Install SQL Server 2005 Express Edition SP2** option.

4. Select **Test Connection** to confirm that you have entered the correct information.

5. In the **Database name** box, enter `DC5Manager` to use the same manager database created by your previous single-box solution installation.

---

**Installing Discovery Cracker for an Advanced Solution**

The Discovery Cracker advanced solution gives you the opportunity to install the Discovery Cracker components individually so you can scale the solution according to your business needs. You can install the components on multiple computers, according to the following guidelines:

- **Workflow Manager**
  Workflow Manager is the task manager and communication center for the Discovery Cracker program. QC Server is installed along with the Workflow Manager. QC Server manages the quality control function of the Discovery Cracker program.

  You install this component on only one computer.

- **DC Engine**
  DC Engine is the data processing unit of Discovery Cracker. This is the component that provides your scalability. To increase processing performance, you install DC Engine on multiple computers.

  You can install DC Engine on as many computers as your license allows.

- **Discovery Cracker Console**
  Discovery Cracker Console is the main user interface for the Discovery Cracker program.

  You open Discovery Cracker Console to perform Discovery Cracker administrative tasks; set up folders, projects, groups, and views; run jobs; and perform quality control activities.
You can install this component on as many computers as you like.

**NOTE:** We recommend that you do not install Discovery Cracker Console on any computer hosting DC Engine.

### Workflow Manager

Workflow Manager is the task manager and communication center for the Discovery Cracker program. QC Server is installed along with the Workflow Manager. QC Server manages the quality control function of the Discovery Cracker program.

You install this component on only one computer.

**Procedure 5.2  To install the Workflow Manager component**

**Prerequisites:**
- You have verified that the computer meets the system requirements for hosting the Workflow Manager and QC Server components. See chapter 3.
- You have set up the proper environment following the preinstallation instructions in chapter 4.
- You have logged in to the computer using the Discovery Cracker common Windows user account.

**Steps:**

1. Start the installer by doing one of the following:
   - If you downloaded the software from the Discovery Cracker Web site, run the Discovery Cracker executable file from your download location.
   - If you have the installation CD, insert the CD in your CD drive and select **Install Discovery Cracker**.

2. On the **Welcome to AD Summation Discovery Cracker Setup Wizard** dialog box, select **Next**.

3. On the **License Agreement** dialog box:
   - Read the license agreement.
   - If you agree to the license agreement, select the **I accept the terms in the license agreement** check box.
   - Select **Next**.

4. On the **Installation Options** dialog box:
   - Select **Advanced solution**.
   - Select **Next**.
5. On the **Components** dialog box:
   a. Select **Workflow Manager**.
   b. Select **Next**.

6. On the **Microsoft SQL Server** dialog box, do one of the following:
   - If you want to use an existing instance of SQL Server:
     1. Select **Connect to existing instance of SQL Server 2005**. (This also applies to an existing instance of SQL Server 2005 Express.)
     2. Select **Next**.
     3. On the **Microsoft SQL Server Connection** dialog box:
        1. In the **Server name** box, enter the name of an instance of SQL Server. Select **Browse** to display a list of existing SQL Servers and choose one.
        2. In the **Login** box, type the login ID.
        3. In the **Password** box, type the password for the selected instance of SQL Server.
        4. Select **Test Connection** to confirm that you have entered the correct information.
        5. In the **Database name** box, to create a new manager database, type a name for the database. To use an existing manager database, type the name or select **Browse** to display a list of existing databases and choose one.
   
   **NOTE:** Only one Workflow Manager can point to a manager database. If you select an existing manager database, ensure that another Workflow Manager is not pointing to it.

   6. Select **Next**.
   - If you want to install SQL Server 2005 Express:
     1. Select **Install SQL Server 2005 Express Edition SP2**.
     2. Type a password for the “sa” account.
     3. Confirm the password.
     4. Select **Next**.

5. On the **Installation Location** dialog box:
a. Accept the default path, or select **Browse** to select a different path.

b. Select **Next**.

6. On the **USB Dongle Initialization** dialog box, type the dongle’s serial number in the **Serial number** box. The serial number is located on the tag attached to the dongle. Type the alphanumeric characters as they appear on the tag (the letters are case sensitive).

If you do not have the dongle for the Workflow Manager computer, you can initialize it later. See “Authorizing Discovery Cracker” on page 70.

7. The **Installation Summary** dialog box gives you the opportunity to confirm your installation selections.
   - To make changes, select **Back**.
   - If correct, select **Install**.

8. When installation is completed, select **Finish** to exit the installer.

   The message “You must restart the computer before starting Discovery Cracker” is displayed.

9. Select **OK**; then restart the computer.

   Icons for Workflow Manager and QC Server are displayed on the desktop.

**DC Engine**

DC Engine is the data processing unit of Discovery Cracker. This is the component that provides your scalability. To increase processing performance, you install DC Engine on multiple computers.

You can install DC Engine on as many computers as your license allows.

Follow this procedure on each computer on which you want to install the DC Engine component.

Procedure 5.3  To install the DC Engine component

**Prerequisites:**

- You have verified that the computer meets the system requirements for the DC Engine component. See chapter 3.
- You have set up the proper environment following the preinstallation instructions in chapter 4.
You have logged in to the computer using the Discovery Cracker common Windows user account.

Steps:
1. Start the installer by doing one of the following:
   - If you downloaded the software from the Discovery Cracker Web site, run the Discovery Cracker executable file from your download location.
   - If you have the installation CD, insert the CD in your CD drive and select **Install Discovery Cracker**.
2. On the **Welcome to AD Summation Discovery Cracker Setup Wizard** dialog box, select **Next**.
3. On the **License Agreement** dialog box:
   a. Read the license agreement.
   b. If you agree to the license agreement, select the **I accept the terms in the license agreement** check box.
   c. Select **Next**.
4. On the **Installation Options** dialog box:
   a. Select **Advanced solution**.
   b. Select **Next**.
5. On the **Components** dialog box:
   a. Select **DC Engine**.
   b. Select **Next**.
6. On the **Workflow Manager** dialog box:
   a. Type the name of the computer that hosts the Workflow Manager, or select **Browse** and select it from the list of computers.
   The computer must be on the same domain or workgroup as the computers that host the other Discovery Cracker components.
   b. Select **Next**.
7. On the **Installation Location** dialog box:
   a. Accept the default path, or select **Browse** to select a different path.
   b. Select **Next**.
8. The **Installation Summary** dialog box gives you the opportunity to confirm your installation selections.
To make changes, select **Back**.

If correct, select **Install**.

9. When installation is completed, select **Finish** to exit the installer.

The message “You must restart the computer before starting Discovery Cracker” is displayed.

10. Select **OK**, then restart the computer.

An icon for the DC Engine is displayed on the desktop.

---

**Discovery Cracker Console**

Discovery Cracker Console is the main user interface for the Discovery Cracker program.

You open Discovery Cracker Console to perform Discovery Cracker administrative tasks; set up folders, projects, groups, and views; run jobs; and perform quality control activities.

You can install this component on as many computers as you like.

**Note:** We recommend that you do not install Discovery Cracker Console on any computer hosting DC Engine.

Follow this procedure on each computer on which you want to install the Discovery Cracker Console component.

**Procedure 5.4 To install the Discovery Cracker Console component**

**Prerequisites:**

- You have verified that the computer meets the system requirements for the Discovery Cracker Console component. See chapter 3.
- You have set up the proper environment following the preinstallation instructions in chapter 4.
- You have logged in to the computer using the Discovery Cracker common Windows user account. (This is recommended, but not required.)

**Steps:**

1. Start the installer by doing one of the following:

- If you downloaded the software from the Discovery Cracker Web site, run the Discovery Cracker executable file from your download location.
1. If you have the installation CD, insert the CD in your CD drive and select **Install Discovery Cracker**.

2. On the **Welcome to AD Summation Discovery Cracker Setup Wizard** dialog box, select **Next**.

3. On the **License Agreement** dialog box:
   a. Read the license agreement.
   b. If you agree to the license agreement, select the **I accept the terms in the license agreement** check box.
   c. Select **Next**.

4. On the **Installation Options** dialog box:
   a. Select **Advanced solution**.
   b. Select **Next**.

5. On the **Components** dialog box:
   a. Select **Discovery Cracker Console**.
   b. Select **Next**.

6. On the **Workflow Manager** dialog box:
   a. Type the name of the computer that hosts the Workflow Manager, or select **Browse** and select it from the list of computers.
      The computer must be on the same domain or workgroup as the computers that host the other Discovery Cracker components.
   b. Select **Next**.

7. On the **Installation Location** dialog box:
   a. Accept the default path, or select **Browse** to select a different path.
   b. Select **Next**.

8. The **Installation Summary** dialog box gives you the opportunity to confirm your installation selections.
   - To make changes, select **Back**.
   - If correct, select **Install**.

9. When installation is completed, select **Finish** to exit the installer.
   The message “You must restart the computer before starting Discovery Cracker” is displayed.

10. Select **OK**, then restart the computer.
An icon for Discovery Cracker Console is displayed on the desktop.

**NOTE:** If you have two active network cards on the Discovery Cracker Console computer, you will experience a slow response time with the user interface. For example, if you have a LAN connection and a wireless connection active at the same time, you should disable the wireless connection.

### Installing the DC Detective Web Application

DC Detective is the browser-based application that allows your customers to preview their data and identify documents for further action. We recommend that you install the DC Detective Web application on a dedicated Web server. After you install DC Detective, you need to set up an anonymous login to the DC Detective site.

### Install DC Detective

Procedure 5.5 To install the DC Detective Web application

**Prerequisites:**
- You have verified that the computer meets the system requirements for the DC Detective Web application. See chapter 3.
- You have set up the proper environment following the preinstallation instructions in chapter 4, including installing Internet Information Services and enabling ASP.NET.
- If you want to use a logo on the login page of the Web site, place the image for the logo in the DC Detective image folder. By default, the location is C:\Program Files\Discovery Cracker\DC Detective\image.

**Steps:**
1. Start the installer by doing one of the following:
   - If you downloaded the software from the Discovery Cracker Web site, run the Discovery Cracker executable file from your download location.
   - If you have the installation CD, insert the CD in your CD drive and select **Install Discovery Cracker**.
2. On the **Welcome to AD Summation Discovery Cracker Setup Wizard** dialog box, select **Next**.
3. On the **License Agreement** dialog box:
   - Read the license agreement.
b. If you agree to the license agreement, select the \texttt{I accept the terms in the license agreement} check box.

c. Select Next.

4. On the \textbf{Installation Options} dialog box:
   a. Select \texttt{DC Detective}
   b. Select Next.

5. On the \textbf{Workflow Manager} dialog box:
   a. Type the name of the computer that hosts the Workflow Manager, or select \texttt{Browse} and select it from the list of computers.
   
   The computer must be on the same domain or workgroup as the computers that host the other Discovery Cracker components.
   
   b. Select Next.

6. On the \textbf{DC Detective Setup} dialog box:
   a. Enter the following information:
      - Company name
      - Contact e-mail address
      - Contact phone number
      - Company logo
   
   b. Select Next.

7. On the \textbf{Installation Location} dialog box:
   a. Accept the default path, or select \texttt{Browse} to select a different path.
   
   b. Select Next.

8. The \textbf{Installation Summary} dialog box gives you the opportunity to confirm your installation selections.
   - To make changes, select \texttt{Back}.
   - If correct, select \texttt{Install}.

9. When installation is completed, select \texttt{Finish} to exit the installer.

   The message “You must restart the computer before using DC Detective” is displayed.

10. Select OK, then restart the computer.

   DC Detective is not installed as a program that can be run from an icon on the desktop. Instead, there is a new Web site in Microsoft IIS: \texttt{DCDetectiveSite}. 
With default IIS settings, DC Detective is hosted on the Web server with the address http://localhost/dcdetectivesite. This address is only valid on the server computer itself. Consult your IIS settings to know how to access it from other computers. Typically, the address is http://[computername]/dcdetectivesite.

The DC Detective Web site requires users to log in with a user name and password.

**NOTE:** There is no default DC Detective login user name and password. DC Detective is administered by the Discovery Cracker administrator, who sets up Discovery Cracker user accounts with permission to use DC Detective. See “DC Detective Administration” on page 71.

11. Provide the DC Detective Web site address to the Discovery Cracker administrator.


### The DC Detective Anonymous Login

After you install the DC Detective Web application, you must set up an account to act as the anonymous login to the DC Detective site. We recommend that you use the Discovery Cracker common Windows user account.

**Procedure 5.6  To set up the DC Detective anonymous login**

**Prerequisite:**
- You have created the Discovery Cracker common Windows user account on the computer hosting the Workflow Manager component and on the DC Detective Web server (see Procedure 4.1 To create the Discovery Cracker common Windows user account on page 32).
- You installed the DC Detective Web application.

**Steps:**
1. On the DC Detective Web server, from the Start menu, select Control Panel, select Administrative Tools, and then select Internet Information Services.
2. In the Internet Information Services dialog box, in the left pane, double-click the name of the local computer, double-click Web Sites, and then double-click Default Web Site.
3. Right-click DCDetectiveSite and select Properties.
a. In the DCDetectiveSite Properties dialog box, select the Directory Security tab.

b. In the Anonymous access and authentication control area, select Edit.

The Authentication Methods dialog box is displayed.

c. In the Anonymous access area, select Browse.

d. In the Select User dialog box, select Advanced.

e. Select Find Now to display the list of user accounts.

f. Select the Discovery Cracker common Windows user account from the list of user accounts.

g. Select OK.

h. Select OK.

The Authentication Methods dialog box is displayed.

i. In the Anonymous access area, clear the Allow IIS to control password check box.

j. In the Password text box, type the password for the user account.

k. Select OK.

l. Confirm the password.

m. Select OK.

n. Select OK.

o. Close the Internet Information Services dialog box.
6. Postinstallation Instructions

This chapter is written for the Discovery Cracker administrator and describes the tasks he or she needs to perform to set up Discovery Cracker to begin using it, to authorize the Discovery Cracker program, and to enable previewers to use the DC Detective tool. It contains the following topics:

- Initial Setup
- Authorizing Discovery Cracker
- DC Detective Administration

Initial Setup

The Discovery Cracker program comes with default settings that allow you to process files right “out-of-the-box.” The minimum setup you need to do before you can start using Discovery Cracker is:

- Set default directories
- Create a Lotus Notes user ID reference file (if you plan to process NSF files)
- Create a Lotus Notes password reference file (if you plan to process NSF files)

Procedures 6.1, 6.2, 6.3, and 6.4 explain how to log in, set default directories, and create Lotus Notes reference files.

We recommend that you read Chapter 3, “Getting Started,” in the Discovery Cracker User Guide. The topic “Initial Administrative Setup Tasks” in that chapter provides references to more setup details should you need them, such as creating user accounts other than the default admin account or customizing the Discovery Cracker settings. The topic “The Discovery Cracker Workflow” in that chapter provides references for finding instructions for using the Discovery Cracker program.

You can access the Discovery Cracker User Guide from the Start menu: Start>Programs or All Programs>Discovery Cracker>Documentation.
Procedure 6.1 To log in

1. Start Workflow Manager (double-click the Workflow Manager icon on the desktop.)

   NOTE:
   - For an advanced solution, you must go to the Workflow Manager computer to start Workflow Manager.
   - DC Engine must be started prior to running a job. However, you do not need to start it before logging in to Discovery Cracker Console.

2. Start Discovery Cracker Console. (Double-click the Discovery Cracker Console icon on the desktop.)

   NOTE: For an advanced solution, you can go to any Discovery Cracker Console computer.

   The AD Summation Discovery Cracker login screen is displayed.

3. Type the following user ID and password:
   a. User ID: admin
   b. Password: password

   (To change the password later, go to Change Your Password on the Tools menu.)

4. Select Log In.

   The main user interface for Discovery Cracker is displayed. You can now make your initial settings, following procedures 6.2, 6.3, and 6.4.

Procedure 6.2 To make settings on the Workflow Manager Settings pane

Prerequisites:

- In Chapter 4, “Administrative Tasks,” in the Discovery Cracker User Guide, read the topic “The Workflow Manager Settings Pane” for a description of the settings that you need to make.
- You may need to ask the network administrator for the name of the network to select and the default directories to use for output files, reference files, and source files.
- The network administrator needs to ensure that the folders specified as the default directories are shared network folders, with permission Full Control assigned to the Everyone user.
You are logged in to Discovery Cracker Console (see Procedure 6.1.)

**Steps:**

1. On the **Workflow Manager Settings** pane, in the **Network** area, select an operating domain or workgroup.
   
   **NOTE:** You will not be able to change the setting once you select **Save**.

2. In the **Default Directories** area:
   
   When selecting default directories, you must enter a shared network folder. You can browse to the location or type the path in the text box.
   
   If you browse to the location, you must select **My Network Places\Entire Network\Microsoft Windows Network\[domain] or [workgroup]\[computername]\[shared folder]**.
   
   If you type in the text box, you must use the UNC format, i.e., **\[computername][shared folder]**.
   
   a. In the **Select a default directory for projects** box, enter the root path for your project output files.
      
      **NOTE:** You will not be able to change this setting once you select **Save**. However, you can make changes when creating a project.
   
   b. In the **Select a default directory for reference files** box, enter the default path where the reference files will be stored.
      
      **NOTE:** You will not be able to change the setting once you select **Save**.
   
   c. In the **Select a default root directory for work item selection** box, enter the root directory where your source files are located.
      
      **NOTE:** You can change the default directory setting for work items as needed.

3. In the **System Timeout Settings** area, accept or change the timeout values.

4. Select **Save**.
Procedure 6.3  To create a Lotus Notes user ID reference file

Perform this procedure if you are going to process Lotus Notes NSF files.

You need to perform this procedure for each user.id file you want the Discovery Cracker program to use during processing.

At a minimum, you must create a Lotus Notes ID reference file for the default user.id file, which is generated when you start Lotus Notes Client for the first time after installing it. Its default location is C:\Program Files\lotus\notes\data\user.id.

Prerequisites:

? You installed and configured Lotus Notes Client according to Procedures 4.17 - 4.21.
? You are logged in to Discovery Cracker Console (see Procedure 6.1.).
? You set the default directories (see Procedure 6.2).
? You know the user.id files that are needed to process your NSF files.

Steps:

1. From the menu bar, select Admin.
2. Select Manage Reference Files.
   The Manage Reference Files dialog box is displayed.
3. Select Add.
   The Add a Reference File dialog box is displayed.
4. In the Select a Reference File Type box, select Lotus Notes ID.
5. In the Lotus Notes ID File box, browse to a Lotus Notes ID file.
6. In the File Display Name box, type a name to be displayed.
7. In the Description box, type a description (optional).
8. Select the System check box if you want this file to be the system default Lotus Notes ID file.
   NOTE: If this is the only entry for Lotus Notes ID, the Discovery Cracker program makes it the system default file whether you select System or not.
9. Select Add.
Procedure 6.4  To create a Lotus Notes password reference file

Perform this procedure if you are going to process Lotus Notes NSF files. You need to perform this procedure for each password that is needed to process Lotus Notes NSF files. If no passwords are needed, you need to create a blank Lotus Notes password reference file.

Prerequisites:

1. You performed Procedure 6.3.
2. You know the passwords that are needed to process your NSF files.

Steps:

1. From the Manage Reference Files dialog box, select Add. The Add a Reference File dialog box is displayed.

2. In the Select a Reference File Type box, select Lotus Notes Password.

3. In the Password box, type a password for processing specific Lotus Notes NSF files.

   If no passwords are needed to process NSF files, create a blank Lotus Notes password reference file by leaving the Password box blank and typing a name for the file display name (step 4).

4. In the Display Name box, type a name to be displayed.
5. In the Description box, type a description (optional).
6. Select the System check box if you want this password to be the system default Lotus Notes password.

   NOTE: If this is the only entry for Lotus Notes Password, the Discovery Cracker program makes it the system default password whether you select System or not.

7. Select Add.

8. Close the Manage Reference Files dialog box if you do not need to add more reference files.
Authorizing Discovery Cracker

Out of the box, you can use Discovery Cracker to process documents for seven days.

After that time, Discovery Cracker requires a USB dongle to continue processing. Information in the dongle represents your license agreement. (A dongle is a security device that enables the use of software. Discovery Cracker does not support parallel port dongles.)

Within seven days, an AccessData Group representative will send you a USB dongle. Be sure we have your proper shipping information by providing it in an e-mail to DCKeys@discoverycracker.com.

You need to install the dongle on the computer that runs the Workflow Manager component and then initialize it.

Procedure 6.5 To install and initialize the dongle

1. Attach the dongle to any available USB port on the computer that runs the Workflow Manager component.
2. On the Workflow Manager computer, select Start > Programs > Discovery Cracker > Initialize USB Dongle.
3. In the Initialize USB Dongle dialog box, type the dongle’s serial number in the Serial number box. The serial number is located on the tag attached to the dongle. Type the alphanumeric characters as they appear on the tag (the letters are case sensitive).
4. Select Apply.
5. If the Workflow Manager component is running, restart it. Your license information is added to Discovery Cracker and you are authorized to continue using it.

NOTE: If you initialized the dongle during installation, ensure that it is installed.
DC Detective Administration

DC Detective is administered by the Discovery Cracker administrator.

The DC Detective Web site requires users to log in with a user name and password. As the Discovery Cracker administrator, you assign login information to DC Detective users.

You do this by setting up Discovery Cracker user accounts with DC Detective permissions. Each Discovery Cracker user account has a user name and password. DC Detective users log in to DC Detective using their Discovery Cracker user ID and password.

Instructions for DC Detective administration are provided in the Discovery Cracker User Guide, Chapter 7, “Previewing Documents.”

**NOTE:** DC Detective permissions can be assigned only after projects, groups, and views have been created. Therefore, DC Detective administrative tasks are not typically performed along with the initial Discovery Cracker setup tasks.