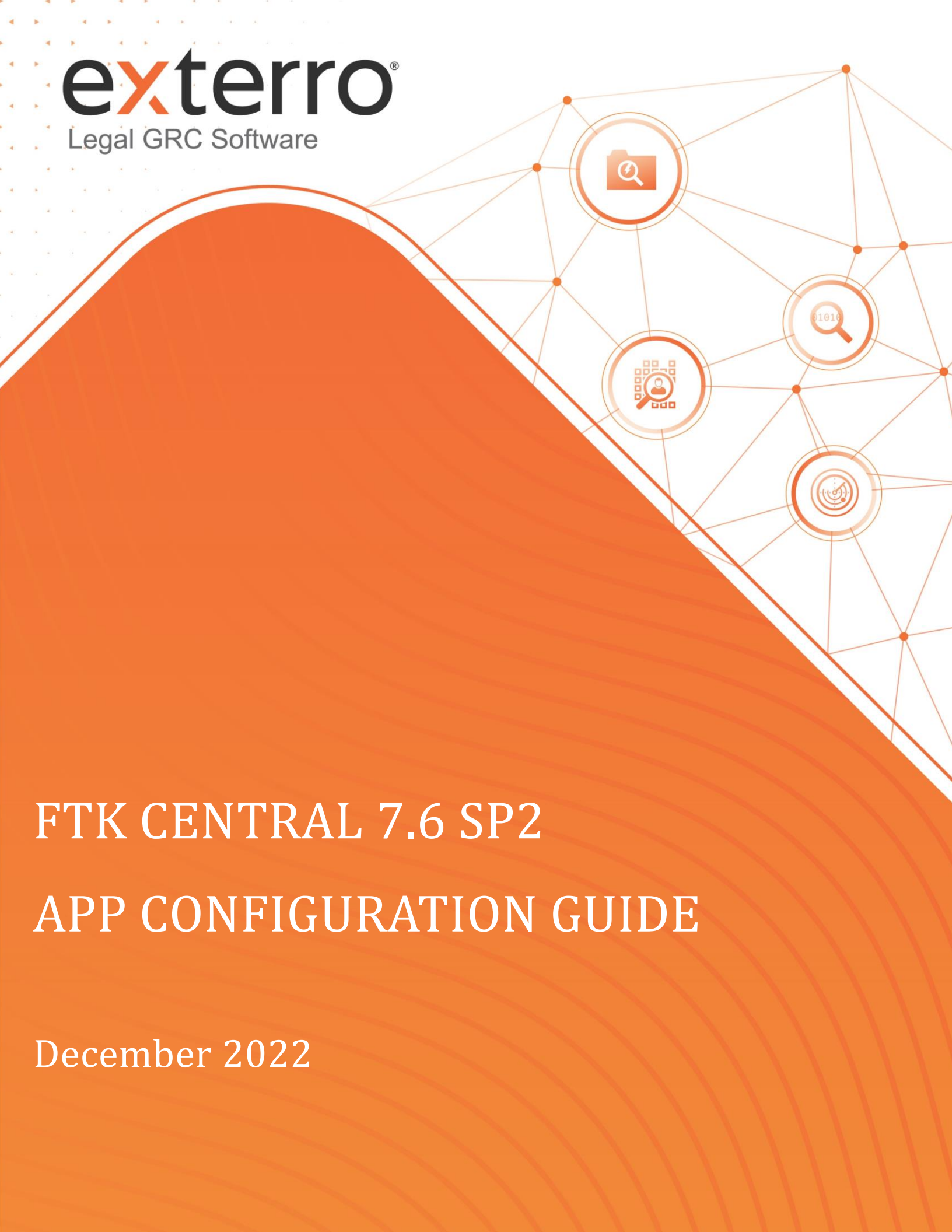




FTK CENTRAL 7.6 SP2 APP CONFIGURATION GUIDE

December 2022

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Overview

Exterro was founded with the simple vision that applying the concepts of process optimization and data science to how companies manage digital information and respond to litigation would drive more successful outcomes at a lower cost. We remain committed to this vision today. We deliver a fully integrated Legal GRC platform that enables our clients to address their privacy, regulatory, compliance, digital forensics, and litigation risks more effectively and at lower costs. We provide software solutions that help some of the world's largest organizations, law enforcement and government agencies work smarter, more efficiently, and support the Rule of Law.

Purpose of the Document

This document provides administrators and deployment engineers with information required to configure FTK Central.

FTK Central App Configurations

Active Directory

Property	Value	Description
ADPhotoPath	C:\temp\ADPhoto	Full path to save Active Directory photos.
UseAD	5	1 = Users from AD, 2 = Groups from AD, 3 = Users from AD with SSO, 4 = Groups from AD with SSO.
EnabledADEnterpriseApi	TRUE	If it's true, the Enterprise API can be used with Active Directory authentication. Otherwise, key is needed.

Web Service Logging

Property	Value	Description
ADGSelfHostLogSyncIntervalInMinutes	60	To parse adglogs within the given interval.

Exterro Agent Certificates

Property	Value	Description
agentCertificateFileName	agentCertificate.pfx	Agent certificate file name. Agent certificate must be located near the .exe of ADG.WebLabSelfhost
agentCertificatePassword		Agent certificate password. Agent certificate must be located near the .exe of ADG.WebLabSelfhost
agentcertificateThumbPrint		Agent certificate thumbprint. Agent certificate must be located near the .exe of ADG.WebLabSelfhost. X.509 certificate thumbprint is a hash of certificate and its signature.
ManagedAgentCertThumbprint	72847B20952449537AE1 F66858EA40AB4557113E	Managed agent certificate thumbprint. Needed for Managed agent jobs.
CertificatePath	C:\certs\ad_agentcomm _enter1.pem/>	Full path to Agent enter certificate.
PushCert	C:\certs\ad_agentcomm _ca.cer	Full path to Agent push certificate.
TrustedCertificatePath	C:\Program	Full path to trusted certificate. Used for Managed agent creation.
ModulesPath	C:\Program	Full path to agent modules.

AI Server

Property	Value	Description
NumberParallelThreadsForAI	1	Number of threads used to kick off jobs against the AI server. <i>Example, if 2 threads is setup as value, FTK will use 2 parallel threads to call AI server, which is processing 100 images at a time.</i>
FramesPerSecond	1	Amount of video frames that can be recognized per second.

Default App Installed Location

Property	Value	Description
ScanPstExePath	C:\Program	Full folder path where scanpst.exe is installed.

BatchSize

Property	Value	Description
MaxSearchBatchSize	10	Maximum number of concurrent cases searches in multicase search.

Case List Sync

Property	Value	Description
CaseStatSyncInterval	10	Timer Interval for CaseStatsSyncer in milliseconds.
CaseStateSyncDelayInHours		Sync delay relating to the case list information. By default the application will sync every 24 hours. This can be changed to a minimum of 1 hour. This configuration property is not available by default and must be added manually.

Review Mode - Viewer

Property	Value	Description
BreadDocumentLocation	__casepath__	Location of the case documents
AdViewerMaxFullTextMegabytes	10	Maximum of size in MB for AdViewer.
UseOutsideInForPDFConversion	TRUE	If it's true, the application uses ConvertPDFInternalOIN method in BreadViewerHelper. Otherwise, it will use ConvertPDFInternal.
UseMacIworkServiceForPDFConversion	FALSE	If it's true, the application will use Mac iWork Service For PDF Conversion. Otherwise, it will use ConvertPDFInternalOIN or ConvertPDFInternal.
ExcludeFileExtensionsFromNativeViewer	OST PST NSF TAR JAR GZIP RAR 7ZIP ZIP ZIPX E01 L01 EX01 AD1 DBX DD DMG AIF M3U M4A MID MP3 MPA RA WAV WMA 3G2 3GP ASF ASX AVI FLV M4V MOV MP4 MPG MPEG RM SRT SWF VOB WMV OGG FLAC MKV WTV	The list of extensions separated with " " that need to be excluded from Native viewer.
ExcludeFileExtensionsFromTextViewer	OST PST NSF TAR JAR GZIP RAR 7ZIP ZIP ZIPX E01 L01 EX01 AD1 DBX DD DMG	The list of extensions separated with " " that need to be excluded from Text viewer.
SupportedHtmlVideoExtensions	3G2 3GP ASF ASX AVI FLV M4V MOV MP4 MPG RM SRT SWF VO	The list of extensions separated with " " which are supported HTML video extensions.

Property	Value	Description
	B WMV OGG FLAC MKV WTV WEBM MPEG	
ProductionSetNativeStreamMaxSize	-1	Size in MB (-1 bypasses the max size limit).
MaxFileSizeForBreadViewerInMB	2048	For exports larger than 2gb modify the MaxFileSizeForBreadViewerInMB value setting.
MaxBreadConversionThreads	8	Maximum number of threads for Bread conversion.
MaxViewerSizeInMB	20	Amount of MB - maximum file size for web Viewer. 20 by default.
PDFConversionMethod	GraphicConverter	Either GraphicConverter or OutsideIn. Used to determine if GraphicConverter should be used before falling back to OutsideIn for PDF conversion.
OracleOutsideInConvTimeoutInSeconds	30	Max time after which FTK will terminate native to PDF or near native conversion.
ExcludedExtensionsForImageConversion	.2e,	The list of extensions to be excluded from the PDF Graphic conversion.
BreadCollabServiceUrl	http://localhost:19876/	BreadCollab service URL to use its API.
BreadMacFileServiceUrl	https://127.0.0.1:5001/	Bread MAC file service URL to use its API.

Exterro Agent Collection Jobs

Property	Value	Description
EnableAgentScanJobs	TRUE	Quick configuration to disable all agent related volatile jobs (volatile, memory, threat scan and agent remediation).
UseLastKnownIPAddress	FALSE	If set to false, collections will not attempt to use the last known IP address of an agent stored in the IPAddressLastContacted field (located in ediscovery.dbo.Computers - MSSQL).
LocalResponsiveDataFolder	C:\ADCollections	Local folder path to use as a temporary file location during collections.
UseLocalTempResponsivePath	TRUE	If set to true, the LocalResponsiveDataFolder will be used for temporary files, otherwise the job's responsive path will be used.

Exterro Connectors API Service

Property	Value	Description
ExterroConnectorIntegrationAPIAddress	ExterroServiceAPIAddress	Host Address of the Exterro AD Connector service.
ExterroConnectorIntegrationAPIPort	ExterroServiceAPIPort	Port of the Exterro AD Connector service.

Database

Property	Value	Description
RelativityTempDBType	Sqlserver	If it's an SQL server, FTK will create a SQL connection otherwise Npgsql connection.
DatabaseConnectionCheckInterval	60	Interval in minutes. To check Database server connection.

DataSource-Custodians

Property	Value	Description
CustodianSyncInterval	60	Number of minutes to sleep before the next custodian synchronization. It's 60 by default.

PHash/PhotoDNA Detection

Property	Value	Description
SimilarObjectThreshold	1000	Bigger the number, more false positives in similar object detection.

SDL Translation Server

Property	Value	Description
SDLMTEdgeServer		SDL MT Edge server name
SDLMTEdgePort		SDL MT Edge port value
SDLMTEdgeApiKey		Key to use SDL MT Edge API
RemoveTagForChatLangTranslation	attachment,image	HTML tags to skip while translating by SDL MT Edge.

Email Notification

Property	Value	Description
UseApiToSendEmail	FALSE	If it's true, sending emails is done by using Google and Gmail API. Otherwise using SMTP.

Evidence

Property	Value	Description
EvidenceUploadPath	\\127.0.0.1\data\qviewshare	Location where the S3 evidence are copied to.
CalculateEvidenceExplorerCounts	FALSE	Evidence explorer will show counts but can be slow.

Evidence Processing

Property	Value	Description
ProcessingManager	localhost	Host Address where Processing manager is started. Processing manager is needed for job processing.

Evidence/Media Categorization

Property	Value	Description
EnableMediaCategorizationOnAllCases	FALSE	When set as "TRUE", users are able to create cases without the need to enable media categorization (Project VIC/CAID) per case.

EWS

Property	Value	Description
UseSearchCriterionForEwsQuery	FALSE	Enables search criterion for EWS query.

Exchange

Property	Value	Description
ExchangeAnchorMailboxHeadersEnabled	FALSE	True if X-AnchorMailBox header should be added for Exchange whitelist.

Export

Property	Value	Description
UseAsposeForPSTExport	FALSE	Whether to use Aspose for PST Reduction or continue using ADMAPI.
IncludeOfflineRelated	TRUE	Set to true to export related items (Email conversation, Family, Similar) for portable cases.
IncludeEmailAttachments	TRUE	Set to true to export Email attachment items for portable cases.
IncludeSimilarRelated	FALSE	Set to true to export Similar related items for portable cases.
IncludeFamilyRelated	FALSE	Set to true to export Family related items for portable cases.
ExportTypes	text	To export data to folder for Automation of Entity Management with the specified format.
ExportPath	\\localhost\E\$\export\	To export data to folder for Automation of Entity Management in the specified path.

FTK Plus - Case

Property	Value	Description
MultiCaseEnabled	TRUE	False to disable multi-case capability in FTK Plus.
IsQviewManagementTabEnabled	TRUE	Enables showing admin tab in FTK Plus.

FTK Reporting

Property	Value	Description
IsPDFTRON	FALSE	Set the value as TRUE to provide PDFTron HTML to PDF conversion. Reporting is reliant on a true value.
IsPDFTRONDOCX	FALSE	Set the value as TRUE to provide PDFTron PDF to DOCX conversion. Reporting is reliant on a true value.
PdfReactorLicense	<pre><license> <licenseserialno> 4727</licenseserialno> <li censee> <name>Exterro </name> </license> <p roduct>PDFReactor</product > <majorversion>10</majo rversion> <minorversion>0 </minorversion> <licenset ype>CPU</licensetype> <a mount>4</amount> <unit >CPU</unit> <maintenanc eexpirationdate>2022-08- 31</maintenanceexpirationd ate> <purchasedate>2018- 08- 31</purchasedate> <optio</pre>	To Register PDF reactor license

Property	Value	Description
	<pre> ns> <option>pdf</option> n> </options> <signatureinformation> <signdate>2021-09-02 11:13</signdate> <signature>302c02144af1ea6e4cec 613e5f949f695b58a5c5f83e 07f80214444513d85964559c 0adef3a21190f2295707b5fe </signature> <checksum>1302</checksum> </signatureinformation> </license> </pre>	
IsPDFReactor	FALSE	Set the value as TRUE to provide PDFReactor HTML to PDF conversion
PdfTronproductkey	demo:1651056651267:7ba773b6030000000074e2d78be48921b3152c5850786b475394263d52	Provide the PDFTron registration key to register
DedupReportBatchSize	100000	Maximum number of results in report on one page.
MaxRowsPerWorkSheetForReport	1000000	Maximum number of rows for work sheet in Reports.

InclusionPath

Property	Value	Description
RemoteFileInclusionPath		The list of whitelisted file path that can be accessed by the application.

Indexing

Property	Value	Description
RunReIndexJobs	TRUE	If this value is set then below 2 keys if not present are set to,"0,1,2,3,4,5,6" for RunReIndexJobsDayOfWeek and 0~23 for RunReIndexJobsTimeOfDay
ReIndexingWaitTimeInMinutes	30	Number of minutes to wait for the next reindexing.
StartIndexMergeProcessAt	5:10 PM	A value has to be configured as a 12-hour clock value.
DisableAutoIndexMerge	FALSE	Index merges will occur automatically when set as true.
EnableSecondaryIndex	TRUE	Bookmarks, language translations are indexed and searched based on a secondary index.

Web Service Jobs

Property	Value	Description
RunCurrentMachineJobs	TRUE	Used by FTK, when multiple Exterro services are pointed to same DB, current Exterro service will only pick up jobs submitted by current service.
JobCheckDelay	500	The number of milliseconds to sleep before checking an active job again.
TimeoutPeriodForImportMapFields	20	Number of minutes for timeout period import map fields. Being used to check the status of the import job while this period isn't over. It's 20 by default.
IsJobMaster	TRUE	This key ensures that at least one service is set as the master; this only allows this service to be used as a master when required. The master serialises the jobs that the slaves will manage so they are not duplicated.

KFF

Property	Value	Description
KFFServerURL	YOUR_KFF_SERVER:PORT	Host Address:Port for connecting with KFF service.
KFFServerDBType	Cassandra	KFF server database type. It's Cassandra by default.

Lithold

Property	Value	Description
OnlyNotifyForPeopleAssociated WithLithold	FALSE	True if you only notify people associated with lithold. Otherwise, false.

User Activity Logging

Property	Value	Description
EnableLogging	FALSE	Enables logging of user activity.

Map Viewer

Property	Value	Description
OpenStreetMapTileServerUrl	https://api.maptiler.com/maps/basic/{z}/{x}/{y}.png?key=NfJesSlkkenWB8pLWRBa	Host Address of MAP server.

NFS

Property	Value	Description
NfsShareMappedDrive	3.210.130.118:/mnt/sharedfolder x:	Regular expression for Network File System shares parameters.

SNMP Notification

Property	Value	Description
SnmpTargetAddress	127.0.0.1:163	Target address to send SNMP notification.

ProductType

Property	Value	Description
ProductType	ediscovery	Either ediscovery or forensics. This property is used to determine how file duplicates work.

FTK Plus Version

Property	Value	Description
QViewCurrentVersion	7.3.2.6	Server version of FTK Plus, used by FTK Plus upgrade code.
QViewCurrentVersionURL		URL to update FTK Plus, where update can be found.

Redis

Property	Value	Description
RedisUrl		Host Address:Port of Redis cache server.
EnableDistributedCache	FALSE	Set to true, when cluster environments are setup with Redis cache.

Site Server

Property	Value	Description
EnableAutoProvision	TRUE	Sync agents from the Site Server into ediscoDB.
AutoProvisionInterval	900	Sleep time between 2 consecutive Site Server to ediscoDB sync.
SiteServerHost	your_siteserver_address	Host Address for Site Server.
SiteServerPort	54321	Port for accessing Site Server.
SiteServerCommunicationDelay BetweenRetriesInMs	20000	Number of milliseconds to delay between retries while connecting with Site Server.
SiteServerCommunicationNumb erOfTries	3	Number of retries to communicate with Site Server.
AgentIndexingRunIntervalInMin utes	1440	Scheduling for AgentIndexing Job.
AgentIndexingRunCount	100000	DTSIndex Schdule run Count.
AgentNotificationInterval	60	Backend job that will be initiated to poll the current agent status. This will be shown as a push notification and can be sent via email within FTKC.
SSConnectionUI	25	Maximum site server for backend connection.
SSConnectionBackend	10	Maximum site server UI connection.
SiteServerSourceLogFolder	SiteServerLogFolderPath	To allow users to set a specific folder for which the application will copy logs from.
SiteServerDestinationLogFolder	SiteServerDestinationLogFo lderPath	To allow users to set a specific folder for which the application will reference within the Collections page.
SiteServerLogSyncIntervalInMin utes	60	To allow users to set a specific folder for which the application will sync between the source and destination folders.

Supported Extensions

Property	Value	Description
MacSupportedExtensions	key numbers pages	Mac supported extensions, separated with " " and used for converting files to PDF

SyncInterval

Property	Value	Description
SyncExtEvidenceInterval	60	Sync missing external evidence(s) in minutes. 60 by default.

TensorFlow AI

Property	Value	Description
TensorFlowUrl	http://localhost:5000	TensorFlow service base URL. By default, it's set to localhost.
TensorFlowMaxFrames	50	TensorFlow Max number of frames for each category.

Web Service

Property	Value	Description
cacheMaxAge	604800	The amount of time a file should be in the cache.
selfhostenabled	TRUE	Enables doing some additional actions for FTKC while loading.
CompressionEnabled	TRUE	Enables the Compression Module for appBuilder.
ServeUIPages	TRUE	Enables UseFileServer for appBuilder with AuthFileServerOptions with "/ftklogin.html" as loginPath.

Property	Value	Description
AwsConfiguration	Region US-East-1 ClientKey YourClientKey ClientSecret YourClientSecret BucketName ForcePathStyle:false IsPrivateCloud:false	1. Region = region name (e.g. US-East-1) if public cloud, otherwise ServiceUrl value . 2. ClientKey = Client Key used to access AWS for your organization 3. ClientSecret = Client Secret associated to Client Key for your organization 4. ForcePathStyle = True or False, only used when using private cloud 5. BucketName = Name of bucket to use (for operations like UploadToAws Job) 6. IsPrivateCloud = True if using private cloud, false otherwise
FBFSasHeadOfFamily	False	To add configuration on evidence processing for 'dontSetFBFSasHeadOfFamily'.
LoginExpirationInMinutes	30	AD Login expiration in minutes.

WebHost - DefaultPath

Property	Value	Description
FileUploadStorageRoot	c:\temp	Default temporary path for uploading files.

WebHost - BackgroundServices

Property	Value	Description
RunBackGroundServices	TRUE	Enables AsyncProcessor to work in the background.

WebHost - Filter

Property	Value	Description
UseLabelAccessFilter	TRUE	Controls the access to the document by the label

Web Service Authentication

Property	Value	Description
EnableCSRF	TRUE	CSRF is Cross-site request forgery. By enabling this field, protection against this attack is enabled. So XSRF-TOKEN need to be defined in headers and cookies.
IsDuoEnabled	FALSE	This field enables handling Duo Cookie Authentication Login.
OrginsAllowed		The same-origin policy prevents a malicious site from reading sensitive data from another site. Here you can add allowed origins separated by ";" to allow other sites to make cross-origin requests to the application.
Hsts	525600	525600 minutes is nothing but 1 year. added as reported by WhiteHat scan
DuoIKey		If IsDuoEnabled, there must be DuoIKey for handling Duo Cookie Authentication Login.
DuoSKey		If IsDuoEnabled, there must be DuoSKey for handling Duo Cookie Authentication Login.
DuoAKey		If IsDuoEnabled, there must be DuoAKey for handling Duo Cookie Authentication Login.
DuoHost		If IsDuoEnabled, there must be DuoHost to create a Duo URL for handling Duo Cookie Authentication Login.
CookieEncryptionKey	247FF73C56853F BB9B011EBF145C 99A974EB31BA94 2AF458	If it's not empty, UseAesDataProtectorProvider is being used for appBuilder.
expireTime	20	Cookie expiration time for the application.

Web Service Certificates

Property	Value	Description
certificateFileName	localhost.pfx	Name of SSL certificate that must be located near the .exe of ADG.WebLabSelfhost.
certificatePassword		Password of SSL certificate that must be located near the .exe of ADG.WebLabSelfhost.
certificateThumbPrint		X.509 certificate thumbprint of SSL certificate. It is a hash of the certificate and its signature.
enableAllCerts	TRUE	If it's true, the ServicePointManager.ServerCertificateValidationCallback is always true too. Otherwise, FTK will check the certificate.

Web Service SAML

Property	Value	Description
MultipleIdp	true	Set the value as TRUE to enable SAML Multiple IdPs.
ServiceProviderUrl	https://bala.exterrocloud.info	SAML Service Provider URL to connect to SAML service in the client side.
IdpEntityUrl	http://adfs.exterro.info/adfs/services/trust,https://sts.windows.net/c56feb79-7d40-40f2-a027-7206b606b463	The URL that will be the unique identifier for your application and is the information that is provided by your IdP service provider.
IdentifierAttributeEmailId	http://schemas.xmlsoap.org/ws/2005/05/identity/claims/emailaddress,nameid	SAML identifier Attribute name ID. If multiple IdPs are available, should be provided as a comma separated value.

Web Service URL

Property	Value	Description
host	localhost	The Host Address where ADG.WebLabSelfhost service is starting.
port	4443	The port of ADG.WebLabSelfhost service.
https	TRUE	Enable https URL
httpport	4442	HTTP port at which the application will be listening to and automatically redirecting to https.

User Account Password Length

Property	Value	Description
PasswordLength	8	The required length for user account passwords. The default value is 8.

Contact Exterro

If you have any questions, please refer to this document, or any other related materials provided to you by Exterro. For usage questions, please check with your organization's internal application administrator. Alternatively, you may contact your Exterro Training Manager or other Exterro account contact directly.

For technical difficulties, support is available through support@exterro.com.

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