

ARMOURop 8.3.0.121 SYSTEM SPECIFICATION GUIDE

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About Exterro

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 Data Risk Management 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.

1 Overview

This guide outlines the software, hardware, and storage specifications required to deploy and operate ARMOURop. Hardware requirements depend on whether the ARMOURop Assistant will be used, and the solution can be deployed in one of two configurations:

- **Standard Configuration (CPU)** – Supports ARMOURop without Assistant. All processing, including AI operations such as caption generation, OCR, translation, transcription, and summarization, is performed on the host's CPU.
- **Assistant Configuration (GPU)** – Required to use Assistant. A supported NVIDIA GPU runs the locally hosted language model that powers Assistant and also accelerates ARMOURop's other AI operations.

The specifications in this guide represent the baseline for a reliable deployment. Actual requirements will vary with the volume and types of data being processed and the specific workflows employed.

2 Software Requirements

Supported operating systems (64-bit):

- Windows 10
- Windows 11
- Windows Server 2019
- Windows Server 2022
- Windows Server 2025

2.1 GPU and Assistant Prerequisites

The following prerequisites apply only to deployments that use GPU acceleration or Assistant. Assistant runs on a large language model (LLM) served through Ollama.

Component	Prerequisites
ARMOURop	• 64-bit Microsoft Windows (see supported operating systems above)
GPU Acceleration (Optional)	• A supported NVIDIA GPU (see Section 3.3) • NVIDIA CUDA Toolkit 12.8
Assistant (Optional)	• Latest version of Ollama, installed on the ARMOURop host or on a separate machine (see Section 2.2) • An Ollama model that supports tool calling (for example, qwen3.6:27b) • A supported NVIDIA GPU with NVIDIA CUDA Toolkit 12.8 on the machine hosting Ollama



Note: Assistant requires a model with tool-calling (also known as function-calling) support. Models without this capability are not compatible with Assistant. After installing Ollama, pull the selected model (for example, `ollama pull qwen3.6:27b`) before using Assistant.

2.2 Connecting to Ollama

Ollama can be installed on the same machine as ARMOURop or on a separate machine on the network. In either case, ARMOURop connects to Ollama using the URL configured in the application settings. In addition to powering Assistant, Ollama can optionally serve models for other AI operations, such as captions, semantic search, and summarization, in place of the built-in models (see Section 3.2).

1. In ARMOURop, open **Settings** and select **General**.
2. Enter the Ollama URL in the **Ollama / Cloud (OpenAI-compatible)** field. For a local installation this is `http://localhost:11434`; for a remote installation, replace `localhost` with the host name or IP address of the machine running Ollama.
3. Click **Test** to verify the connection. A successful connection displays a **Connected** status along with the number of installed models.



Note: When Ollama is hosted on a separate machine, the GPU and NVIDIA CUDA Toolkit requirements in Section 3.3 apply to that machine, and the Ollama port (default 11434) must be reachable from the ARMOURop host. This applies to Assistant and to any AI operation configured to use an Ollama model, as those operations are processed on the Ollama machine. AI operations that use the built-in models continue to run on the ARMOURop host.

3 Hardware Requirements

The performance of ARMOURop is dependent on the hardware of the host on which it is deployed. The following guidelines have been developed to help organizations build cost-effective environments that meet their specific needs, whether or not Assistant is required.

Minimum and recommended hardware specifications for each configuration are provided below.

3.1 Standard Configuration (Without Assistant)

This configuration supports the full ARMOURop feature set, excluding Assistant, using CPU-based processing.

Tier	Processor	Memory
Minimum	8 Logical Cores	16 GB RAM
Recommended	16 Logical Cores	32 GB RAM

3.2 GPU Acceleration for AI Operations

In addition to powering Assistant, a GPU is recommended for accelerating ARMOURop’s other AI operations, including caption generation, Optical Character Recognition (OCR), translation, transcription, and summarization.

These operations are fully supported on CPU-only systems (Standard Configuration); however, processing throughput will be higher when a supported GPU is available. GPU acceleration requires NVIDIA CUDA Toolkit 12.8 to be installed.

Captions, semantic search, and summarization can optionally be configured to use models served through Ollama in place of the built-in models. This is set per operation under **Settings (Captions, Search, and Summarize)**. Note that the built-in summarization model runs on CPU only; to run summarization on a GPU, select an Ollama model.

3.3 Assistant Configuration (With GPU)

This configuration is required to use Assistant and additionally provides GPU acceleration for ARMOURop’s other AI operations. Both enterprise-grade (data center and workstation) and commercial-grade GPU cards are supported. When Ollama is hosted on a separate machine, these requirements apply to that machine, which then processes Assistant and any AI operations configured to use Ollama models.

GPU Class	Component	Primary Requirements
Enterprise GPU	• CPU	• 8 Logical Cores
	• RAM	• 32 GB
	• GPU Cards	• NVIDIA A10 (24 GB) • NVIDIA L4 (24 GB) • NVIDIA RTX 4000 Ada (20 GB)
Commercial GPU	• CPU	• 8 Logical Cores
	• RAM	• 32 GB
	• GPU Cards	• NVIDIA RTX 4080 Super (16 GB) • NVIDIA RTX 4080 (16 GB) • NVIDIA RTX 4070 Ti Super (16 GB)

 **Note: Performance scales with GPU capability.** The GPU cards listed above represent the supported baseline for Assistant. GPUs with greater compute capability and larger video memory (vRAM) will deliver faster Assistant response times and higher throughput across all AI operations. Additional vRAM also allows larger, more capable models and longer context to be held entirely in GPU memory.

Organizations with high data volumes or demanding turnaround requirements should consider GPUs above the listed baseline.

4 Storage Requirements

The storage needs for ARMOURop depend on variables such as the volume and types of data processed and the specific workflows employed within the application. The following sections outline the storage required on systems hosting ARMOURop.

4.1 Application

- **Minimum: 20 GB**

All systems hosting ARMOURop require a minimum of 20 GB of available disk space for the application and its associated components.

4.2 Data Folder

- **Size: Dependent on data volume**

The Data folder stores the data processed through ARMOURop. Space requirements depend on the volume of data being processed and should be sized accordingly. Organizations should plan for this storage to grow over time as additional data is processed.

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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