



# ThreatConnect® System Requirements

Software Version 7.6

Technical Guide

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# System Requirements

In order to install an On-Premises Instance of ThreatConnect, the **minimum** requirements in the following sections must be met.

## Hardware

ThreatConnect requires a server, virtual or physical, that meets the **minimum** specifications listed in Tables 1-3.

**Important:** If performing an installation with high-utilization requirements, further separating the application-server functions onto more than one host is recommended. Refer to the “Appendix” section for specifications. These types of installations are for advanced users only, who should consult with ThreatConnect to determine the correct sizing that will meet their needs.

**Table 1**

	Memory Min (GB) <sup>1,2</sup>	Min CPU Cores / vCPUs (2GHz) <sup>2</sup>	Estimated Storage (GB) <sup>3,4</sup>
<b>ThreatConnect Application</b>	64	16	300
<b>Containerized Redis®</b>	8	2	20
<b>Containerized OpenSearch®</b>	16	2	200
<b>Containerized Database</b>	32	4	100

<sup>1</sup> Allocated to ThreatConnect Docker containers; the operating system (OS) will need additional space.

<sup>2</sup> While Java® virtual machines will be allocated memory, there is some allowance for additional memory available for Feed and Playbook Apps.

<sup>3</sup> High IOPS, ideally SSDs, are preferred.

<sup>4</sup> ThreatConnect must be installed on an ext4 or XFS partition.

**Important:** The following guidelines apply to production deployments:

- The ThreatConnect Application and Redis can be deployed to the same server (virtual or physical).
- OpenSearch containers should be deployed to a dedicated server.
- Database containers should be deployed to a dedicated server.



**Table 2**

	<b>Highly Available Document Storage (usually network-mounted storage)</b>
<b>Document Storage</b>	Equal to the desired capacity of documents stored

**Table 3**

	<b>Memory Minimum (GB)</b>	<b>Memory Recommended (GB)</b>
<b>Swap Space</b>	4	8

**Note:** As the number of users increases, or as the frequency or complexity of automated analysis increases, the need to increase system resources will likely occur.



# Appendix

## Multi-Server Specifications

**Important:** The minimum requirements listed in Tables 4–6 exemplify what is needed for typical initial deployments. Large deployments or advanced-use cases will require additional resources.

**Table 4**

	<b>Playbooks</b>	<b>Memory Min (GB)</b>	<b>Min CPU Cores/ vCPUs (2GHz)</b>	<b>Estimated Storage (GB)<sup>1,2</sup></b>
<b>Web/API Server</b>	N/A	8	4	50

<sup>1</sup> High IOPS, ideally SSDs, are preferred.

<sup>2</sup> ThreatConnect is to be installed on an extra ext4 or XFS partition.

**Table 5**

	<b>Playbooks</b>	<b>Memory Min (GB)</b>	<b>Min CPU Cores/ vCPUs (2GHz)</b>	<b>Estimated Storage (GB)<sup>1,2</sup></b>
<b>Job Server</b>	N/A	32	8	150

<sup>1</sup> High IOPS, ideally SSDs, are preferred.

<sup>2</sup> ThreatConnect is to be installed on an extra ext4 or XFS partition.

**Table 6**

	<b>Playbooks</b>	<b>Memory Min (GB)</b>	<b>Min CPU Cores/ vCPUs (2GHz)</b>	<b>Estimated Storage (GB)<sup>1,2</sup></b>
<b>Messaging Server</b>	N/A	16	8	150

<sup>1</sup> High IOPS, ideally SSDs, are preferred.

<sup>2</sup> ThreatConnect is to be installed on an extra ext4 or XFS partition.