



OnCore Application Server Hardware Recommendation for OnCore Version 15.x and Above

Revised January 11, 2018

The configuration of an OnCore application server will vary based on the operating system in which OnCore is run, the number of users who are expected to use it, and the components of OnCore which are installed. Forte recommends that all OnCore application servers are virtual machines.

From the chart below, identify the operating system which will contain the OnCore application. The operating system RAM and Disk numbers are our recommended minimum system requirements of the operating system *before any OnCore components are installed*.

Base Operating System	RAM Required for OS	Minimum Disk for OS
Red Hat Enterprise Linux 6 Red Hat Enterprise Linux 7	2 GB	40 GB
Windows Server 2008 R2 Windows Server 2012 R2	4 GB	60 GB

Now, locate the number of expected OnCore users and any other modules which will be in use. Add the RAM from the Operating System table above with the RAM from each applicable module in the table below. That will be the recommended amount of RAM to provide to the host. Do the same for Disk.

Module	User Count	RAM Per Module	Disk Per Module	vCPU Per Module
OnCore	< 200	2 GB	20 GB	2
Includes: Registries Financials BSM API	200 – 400	4 GB	20 GB	4
	400 – 600	8 GB	20 GB	4
	600 – 1000	10 GB	30 GB	4
	> 1000	16 GB	30 GB	8
Integration Framework	Any	2 GB	10 GB	0 (Co-located on OnCore server)
SIP	Any	2 GB	10 GB	0 (Co-located on OnCore server)

For example: If you had the Linux operating system and planned to have less than 200 OnCore users: With OnCore, SIP, and the Integration Framework installed on a host, Forte would recommend 10 GB (2GB (os) + 2GB (OnCore) + 2GB (SIP) + 2GB (Integration) + 2GB for future expansion). The host would also be provided 80 GB of disk space.

Disk space allocated to the Forte application and components should be contiguous to allow the Forte application to use it efficiently. By default, Forte applications are installed to /opt (Linux) or \Forte (Windows).

Note: Allocation of extra resources for future expansion are discretionary but highly recommended.

Environment Sizing Worksheet

Use this environment sizing worksheet to help determine the proper resources to allocate to any given host.

Environment Name:			
Base Operating System	RAM for OS	Disk for OS	
Modules	RAM Per Module	Disk Per Module	vCPU Per Module
Totals			

In cases where SIP or Integration Framework will be a separate host, use the same formula to determine requirements:

- Operating system RAM + SIP RAM = Minimum RAM to allocate
- Operating system Disk + SIP Disk = Minimum Disk to allocate
- The minimum number of vCPUs should be 2.

Document Revision History

Date	Author	Changes
12/15/2017	SAB	Rewrite of document. Unified all configurations onto one document and made into a table format.
1/11/2018	SAB	Added OnCore version number these recommendations apply to. Clarified the resources allocated to OnCore also includes the URM, BSM, Financials, and API components as they are not separate modules.