

OnCore Database Server Hardware Recommendation

Revised December 15, 2017

The configuration of an OnCore database server will vary based on the number of expected users in the OnCore System.

Oracle database instances should be placed on dedicated physical hardware.

The Production database server should be dedicated exclusively to the production instance of the OnCore application. Non-production instances of OnCore can share a database server with different Oracle instances.

Recommended Operating System	Recommended Processors	Oracle Configuration
Red Hat Enterprise Linux 7 64-bit (preferred) Red Hat Enterprise Linux 6 64-bit (supported) Windows Server 2008R2 – 2012R2 64-bit	Intel Xeon <ul style="list-style-type: none"> Intel E5 Series, or higher 2.3 GHz CPU frequency or higher 	Oracle 12.1.0.2 <ul style="list-style-type: none"> Character set AL32UTF8 Standard Edition Two OR Enterprise Edition

Anticipated User Count	Minimum Database CPUs	Minimum Database Server RAM	Minimum Database Server Disk (OS)	Minimum Database Server Disk (DB)
Less Than 200	1 or 2 Quad or Hexa-Core CPUs	16 GB	RAID-1 Array, 2x 146GB 10K SAS	RAID-5 Array, 3x 300GB 10K SAS
200 to 600	1 or 2 Quad or Hexa-Core CPUs	32 GB	RAID-1 Array, 2x 146GB 10K SAS	RAID-1 Array, 2x 300GB 15K SAS (U01) RAID-1 Array, 2x 300GB 15K SAS (U02)
600 to 4000	2 Quad or Hexa-Core CPUs	64 GB	RAID-1 Array, 2x 146GB 10K SAS	RAID-1 Array, 2x 300GB 15K SAS (U01) RAID-1 Array, 2x 300GB 15K SAS (U02)
Greater Than 4000	4 Octo-Core CPUs	128 GB	Protected internal disk 200GB	SAN storage 300GB (U01) SAN storage 300GB (U02) *Actual Storage Needs Will Vary

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.