ADDITIONAL LICENSE RESTRICTIONS

In addition to HP's standard terms and conditions or a separate Agreement between Licensee and HP or its Suppliers   (the "Agreement") the following license restrictions are applicable:

DEFINITIONS
Capitalized terms not otherwise defined in this Additional License Restrictions document are defined in the governing Agreement.

"Array" means a collection of data items that are given a single name and distinguished by numbers.

"Concurrent User" or "CC User" means the Software is licensed by the amount of users that simultaneously use the Software at any one point in time. The Software can be installed on any number of computers, provided that the actual usage of the Software does not exceed the number of licenses purchased.

"MAL" means a managed application license specific to a software application such as used for Microsoft Exchange Server Viewer and Database Viewer (Oracle database, Sybase, Microsoft SQL and InterSystems Cache').

"MAP" means a managed access port.

"TB" means terabytes which designates the amount of physical capacity that can be managed.

SOFTWARE SPECIFIC LICENSE TERMS

HP Storage Essentials SRM Enterprise Edition/HP Storage Essentials SRM Provisioning Manager/ HP Storage Essentials SRM Chargeback Manager/HP SE SRM Global Reporter

These products are licensed by MAP. The following details how to determine the number of MAP licenses required:

Interconnect devices: For a fully populated switch (i.e., all blades are installed and all ports in all blades have GBIC/SFPs installed), all ports are counted towards MAPs total. If no interconnect devices add up the number of GBIC/SFPs installed in the FC switch and that is the MAPs total.

Hosts and Infrastructure:

- A non-Storage Area Network (SAN) attached server (no HBA) that has the agent installed/discovered will count as 1 MAP

- A SAN attached server that has the agent installed/discovered will count each FC port as a MAP (a dual ported HBA will count as 2 MAPs)

- A fibre channel switch with 64 Fibre channel active ports counts as 64 MAPs

- IDE or SCSI ports are not counted in MAP calculations unless they are used to connect to fabric switches or storage systems

- A Windows server with no CIM Extension installed, but that has been discovered via WMI will count as 1 MAP

- For NPIV only the physical ports are counted. For example, a customer has 10 HP BladeSystem c-Class blades with one HBA each dual ported and connected to a Brocade NPIV port will count as 12 MAPs (10+(2*1)).

- In the hosted virtual environment, ESX server HBA ports are counted as MAPs. For example, 5 ESX servers with 2 dual ported HBAs counts as 10 MAPs (5*2=10)

Storage Array :

- All discovered storage array controller ports count (for example SMI-S is used to find the arrays). If the array has 8 ports, it will count 8 MAPs. The number of MAPs in a storage system includes all physical connections independent of protocol (including Fibre Channel, ESCON, SCSI and/or FICON, Ethernet, or Gigabyte Ethernet).

HP Storage Essentials SRM Exchange Viewer/HP Storage Essentials SRM DataBase Viewer

These products are licensed by MAL. The following details how to determine the number of MAL licenses required:

Standalone Applications:

- Exchange, Sybase, Oracle, Cache Database MSSQL - 1 MAL per application instance

- 1 Exchange Application Instance = An Exchange Server that hosts many mailboxes

- 1 Oracle Application Instance = 1 Oracle Instance (SID) serving an Oracle database

- 1 MSSQL Application Instance = 1 MSSQL Instance which may contain many MSSQL database underneath.

Clustered Applications:

- Exchange, Oracle and MSSQL failover clusters - 1 MAL per application instance. For example, to manage an Exchange Instance running on a 3 node failover cluster, we need 1 MAL.1 Exchange Application Instance = An Exchange Server that hosts many mailboxes

- Oracle RAC - 1 MAL per RAC instance. For example, for a 10 instance Oracle RAC serving a single DB, we need 10 MALs

HP Storage Essentials File System Viewer

TB License Definition and Usage:
For File System Viewer licensing is calculated based on the scanned space of the volumes. Scanned space is the aggregation of file sizes, which have been successfully scanned by SRM File System Viewer Software. Scanned space of each volume is aggregated to calculate the number of TB required to satisfying the minimum 1 TB license to use (LTU). If you have a 20 GB volume, you need a 1 TB LTU or if there were 10TBs used by the file system (actual files taking space) then you need to order a quantity of (10 1 TB LTUs or if there were 200Kb of files scanned then the count is 200Kb and in this case a minimum 1 TB LTU is required.

HP Storage Essentials SRM NAS Manager

Licensing is based upon the number of raw NAS TBS managed**.**

HP Storage Essentials SRM Backup Manager

Licensing is based on the maximum number of TBs backed up in a 1-day period including partial, incremental, and full backups for Veritas NetBackup or HP Data Protector.

HP Storage Storage Essentials SRM Performance Pack Software

Licensing is based on a per Array basis and only the HP Enterprise Virtual Array is supported:

1 – Array LTU licensing is determined by the number of HP Enterprise Virtual Array (EVA), you plan to monitor HP EVA performance. For example, you have 1 HP EVA in your Storage Area Network; all you need is 1 Storage Essentials SRM Performance Pack 1-Array LTU. You can also move a license from one HP EVA to another. For example, the customer has 4 HP EVAs, but only 2 LTUs. If the customer wants to view a snapshot of performance data, on any of the 4 HP EVAs with 2 LTUs, they can. By doing so, you will only collect real-time performance data, without interruption, on licensed HP EVAs. As you move a license around from monitoring HP EVA to HP EVA, you will not collect historical data on unlicensed arrays; therefore you will see data collections gaps in your collected data. For some customers this is acceptable; for a customer who prefers a complete historical performance history then you want to have one Storage Essentials SRM Performance Pack 1-Array LTU per monitored HP EVA.