



IBM Spectrum Scale

Packaging & Licensing Simplification

Adding capacity pricing to the Scale price list

Capacity pricing is simpler



- Introduction of Data Management Edition for simplified pricing and auditing
 - Priced at \$600 per TB across the cluster
 - No client, FPO or server licenses required
 - No cost for management and quorum nodes
 - Identical functionality to Advanced
 - Existing customers can choose to upgrade Socket licenses to Data Management
 - But don't expect many to do so
 - Same process as for Spectrum Storage Suite – see later
- Standard Edition will continue to be available, e.g. for HPC customers



Also, Suite Licensing

Each cluster is licensed under one and only one edition

For Existing Customers, Business as Usual (mostly)

- Standard Edition will continue to be available unchanged
 - Still the best way to license for many HPC customers
- Existing licensees of Advanced Edition can continue to buy additional licenses
- Express Edition will be withdrawn
 - No-charge migration to Standard Edition for existing Express customers
- NO forced license migration for Standard and Advanced customers
- Also, Standard Edition will continue to be available



Each cluster is licensed under one and only one edition

Editions for existing customers

	Standard Edition	(Advanced Edition)	Data Management Edition
Pricing metric	Per socket Server, client, FPO	Per socket Server, client, FPO	Per "usable" TB
Multi protocol scalable file service with simultaneous access to a common set of data	●		●
Facilitate data access with a global namespace, massively scalable file system, quotas and snapshots, data integrity & availability and filesets	●		●
Simplify management with GUI	●		●
Improved efficiency with QoS and Compression	●		●
Create optimized tiered storage pools based on performance, locality, or cost	●		●
Simplify data management with Information Lifecycle Management (ILM) tools that include policy based data placement and migration	●		●
Enable worldwide data access using AFM asynchronous replication	●		●
Asynchronous multi site Disaster Recovery			●
Hybrid cloud (TCT)			●
Protect data with native encryption and secure erase, NIST compliant and FIPS certified.			●
Erasur coding for certified hardware platforms			●

Data Management by Capacity includes Spectrum Scale RAID (GNR)

Mixing ESS with Scale as Software

- Each ESS has its own licenses (same as today)
 - Standard or Advanced Socket (plus RAID) for old models
 - Standard Per Disk or Data Management Per Disk for new models (includes RAID)
- An ESS can be in a cluster with “equivalent” Scale nodes even with different metrics, i.e.
 - ESS licensed by Standard Socket or Standard Per Disk can be in a cluster with other Standard nodes
 - ESS licensed by Advanced Socket or Data Management Per Disk can be in a cluster with other Advanced or Data Management nodes
- This allows existing customers to upgrade gracefully



Questions?

Can I migrate from socket licensing to capacity pricing?

Yes, but you don't have to if you don't want to. The process is similar to the one used with Spectrum Suite

What about data in Spectrum Archive or moved to an object store (e.g. TCT)?

You do not pay for that capacity. You only pay for the capacity of the storage managed by Scale NSDs

What about compression, replication, AFM, etc.?

Lots of things that Scale software does can change the amount of file data you can store. None of these things change the capacity of the NSDs, and therefore don't change the licensed capacity. As a result, the licensed capacity is essentially stable unless you add or remove hardware.

