

# Storage Scale Licensing

**IBM Storage Scale Days 2025 DE**

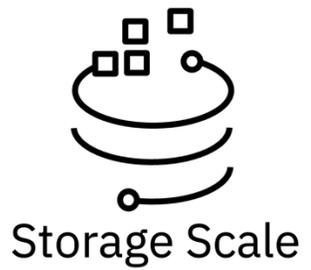
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# Primary IBM Licensing and Program Agreements

IBM Agreement	What Does It Cover	Link
<b>IBM Program License Agreement</b> (Referred to as the <b>IPLA</b> )	A license agreement governing z Systems software and Distributed software for which the client typically pays a license fee.	<a href="#">IBM International Program License Agreement</a>
<b>License Information Document</b> (Referred to as the <b>LI or LID</b> )	A document that set out the terms of a specific software product—typically warranted. All software has an LI type agreement, which provides program unique terms and are referenced as part of the IPLA.	<a href="#">License Information Document</a>
<b>International Passport Advantage Agreement</b> (Referred to as <b>IPAA</b> )	Once enrolled, the program provides Relationship Volume Pricing as well as site consolidation and centralized account, administrative, and purchase & renewal management. <ul style="list-style-type: none"><li>✓ Relationship based</li><li>✓ Enrollment required</li><li>✓ Volume discount</li><li>✓ Anniversary date</li></ul>	<a href="#">IBM International Passport Advantage Agreement</a>
<b>International Passport Advantage Express Agreement</b> (Referred to as <b>IPAEA</b> )	A light transaction-based agreement with terms governing the purchase of distributed offerings <ul style="list-style-type: none"><li>✓ No relationship agreement</li><li>✓ No volume discount</li><li>✓ No enrollment required</li><li>✓ No Anniversary date</li></ul>	<a href="#">IBM International Passport Advantage Express Agreement</a>
<b>Client Relationship Agreement</b> (Referred to as the <b>CRA</b> )	A family of agreements covering machines, products, programs and services. It replaced the IBM Customer Agreement (ICA) even though some customers are still under the ICA.	<a href="#">IBM Client Relationship Agreement</a>

# General Need To Know for SW Licensing

## License Verification

- Subcapacity Licensing: Quarterly ILMT / Flexera One reports
- All other license metrics: yearly reports as outlined on IBM website
- Keep your reports at least 2 years
- Make sure your reports are up-to-date => 30 days to present to IBM!

**Applies  
to Scale?**

**NO**

**YES**

**YES**

**YES**

## Subscribe to changes on IBM Terms website

<https://www.ibm.com/support/customer/csol/terms/>

→ Select documents and topics that are relevant to your company

# Storage Scale licensing

## IBM Storage Scale Licensing – An Overview

- IBM Storage Scale capacity licensing was **announced in November 2017** with IBM Storage Scale. It is currently available **across all IBM Storage Scale functionality** levels. It provides the ability to license IBM Storage Scale clusters on a **capacity licensing** model and is calculated based on the **aggregate usable capacity** (total usable capacity) as seen by IBM Storage Scale NSD data servers in a cluster.
- Usable capacity is defined as the **aggregate binary TiB or PiB capacity** available and presented to the IBM Storage Scale cluster **from the NSD Data Servers**. This is after **applying h/w RAID, h/w mirroring, h/w spares and so on**.
- The general rule for capacity licensing is that **all nodes in a single IBM Storage Scale cluster** must be licensed by “all capacity”.

# Storage Scale licensing

## Storage Scale License Editions

### Data Access Edition (DAE)

- Flat Per TiB/PiB pricing
  - **No tiers**. Just count all the TiBs/PiBs in all the NSDs in the cluster
  - No charge for clients (in the same cluster or separate cluster), or protocol nodes, or anything else besides Network Shared Disk (NSD) capacity
- Based on usable capacity
  - This is the **capacity “visible” to Scale**, i.e. after applying h/w RAID, h/w mirroring, h/w spares, etc.
  - Equivalent to Usable capacity for traditional thick provisioned block storage
- To **verify or audit for compliance**, simply run `mmlslicense --capacity --formatted` for each cluster  
→ or look into the GUI

### Data Management Edition (DME)

- All DAE functionality plus:
  - Encryption
  - Asynchronous disaster recovery (AFM-ADR)
  - Transparent Cloud Tiering
  - File audit logging
  - Watch folder

### Erasure Code Edition (ECE)

- All DME functionality plus:  
  
Deploy on storage rich servers with internal storage, using erasure coding for high durability, space efficiency, and rapid rebuilds

All nodes in a single cluster must be on the same Edition

# Storage Scale licensing

For ESS customers, two Editions with two tiers

## Data Access Edition, licensed Per Disk

- Storage Scale RAID license entitlement included
- Two price tiers, HDD and SDD
- Select in eConfig

## Data Management Edition, licensed per Disk

- Adds Encryption, AFM-ADR, Transparent Cloud Tiering, File Audit Logging, Watch folder
- Two price tiers, HDD and SDD
- Select in eConfig

If there is a Quorum this must be licensed per TiB/PiB !!!

Qorum capacity appears when executing `mmlslicense --capacity --formatted`

**ESS customers can also choose Per TiB/PiB pricing, e.g. for an ELA. Usually it will be more expensive.**

All nodes in a single cluster must be on the same Edition

# Storage Scale (OEM) licensing

Storage Scale can be bought from various companies:

- IBM
- Lenovo
- HPE
- NEC
- Fujitsu
- ...

Please note:

→ Do not mix licenses from different vendors within one storage cluster

It is different legal entities, this also applies to appliances (eg IBM ESS, Lenovo DSS, ...)

# Storage Scale editions and licensing at a glance

Editions have various function levels:

- Data Access edition (DAE) - **often used for HPC**
- Data Management edition (DME) - adds functions **valuable in commercial environments**
  - Free Developer edition (DE)
- Erasure Code edition (ECE) - **aimed at hyperscale, web-scale service providers**

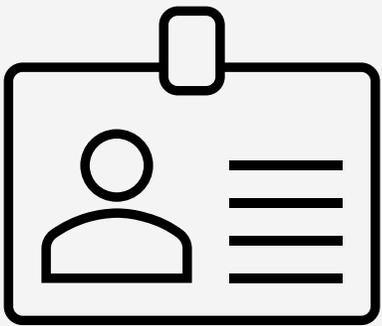
Capacity licensing: built for simplicity

- Easy to purchase, expand, budget, renew
- Entitled to unlimited number of IBM Storage Scale client and server licenses

Feature	Data Access or Standard Edition	Data Management, Advanced or Dev. Edition	Erasure Code Edition
Multi-protocol scalable file service with simultaneous access to a common set of data	Yes	Yes	Yes
Facilitate data access with a global namespace, massively scalable file system, quotas and snapshots, data integrity and availability and filesets	Yes	Yes	Yes
Simplify management with GUI	Yes	Yes	Yes
Improved efficiency with QoS and compression	Yes	Yes	Yes
Create optimized tiered storage pools based on performance, locality, or cost	Yes	Yes	Yes
Simplify data management with Information Lifecycle Management (ILM) tools that include policy-based data placement and migration	Yes	Yes	Yes
Enable worldwide data access using AFM asynchronous replication	Yes	Yes	Yes
Immutability (WORM / Write Once Read Many)	Yes	Yes	Yes
Asynchronous multi-site Disaster Recovery		Yes	Yes
Hybrid cloud (Transparent Cloud Tiering)		Yes	Yes
Protect data with native software encryption and secure erase, NIST compliant and FIPS certified		Yes	Yes
File audit logging		Yes	Yes
Watch folder		Yes	Yes
Erasure coding	Scale System only	Scale System only	Yes
IBM Storage Fusion Data Cataloging service		Yes	Yes

[Scale Licensing Guide](#)

# Thank you

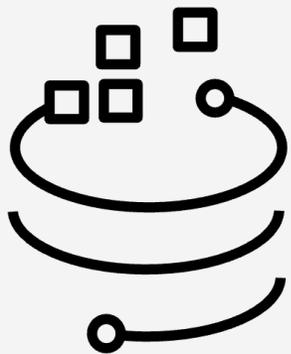


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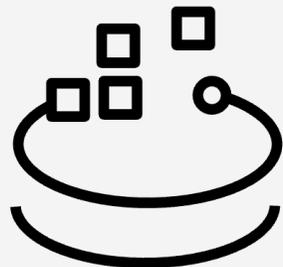
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Thank you for using



Storage Scale



Storage Scale  
System

