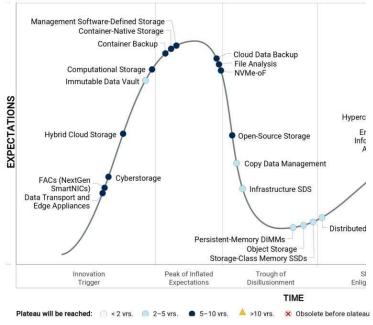


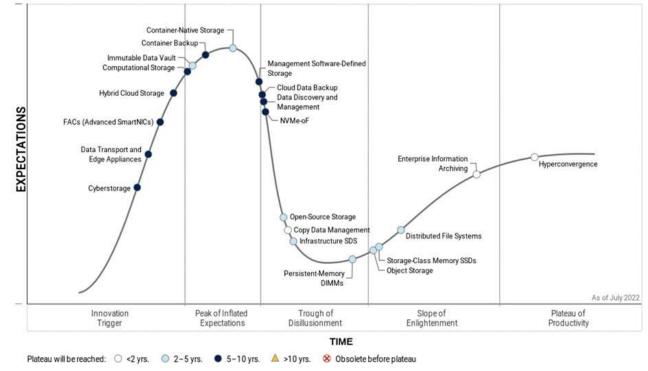


Hype cycle for storage and data protection – From 2021 to 2022

Hype Cycle for Storage and Data Protection Technologies, 2022

Hype Cycle for Storage and Data Protection Techno





Gartner

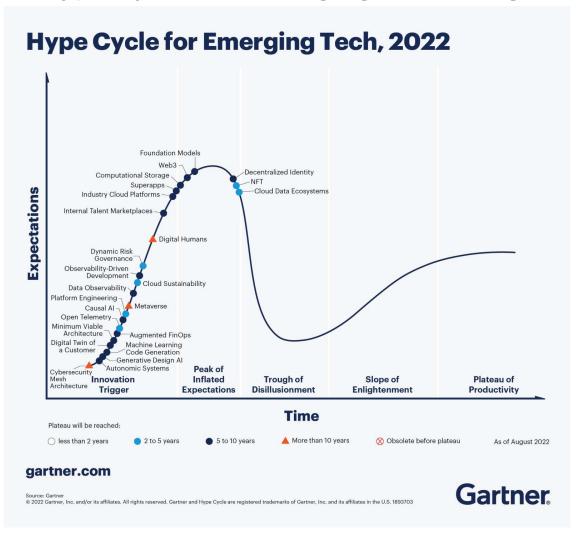
Source: Gartner (July 2022)

Source: Gartner (July 2021)

747395



Hype cycle for Emerging Technologies - 2022

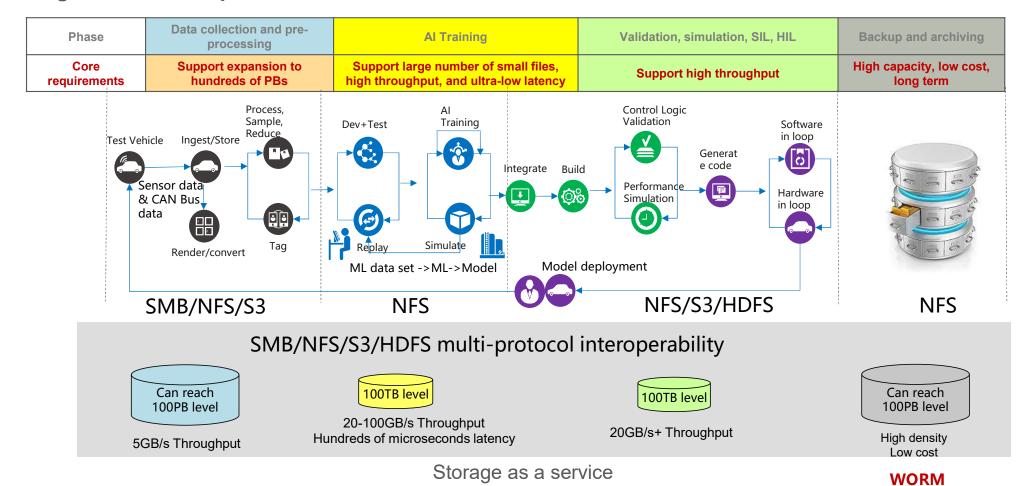


3 key themes on 2022 chart:

- 1. Expand immersive experiences
- 2. Accelerate artificial intelligence (AI) automation
- 3. Optimize technologist delivery



Storage for AI - example: ADAS



Tiering Global Access Multi-Tenancy

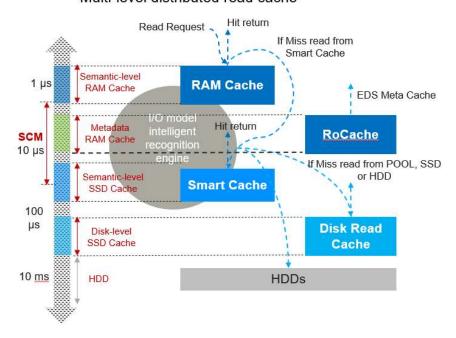
Life-cycle based data management and data flow



Al for Storage

- Fully automated and predicative O&M
- Improved algorithm with dedicated AI hardware offloading

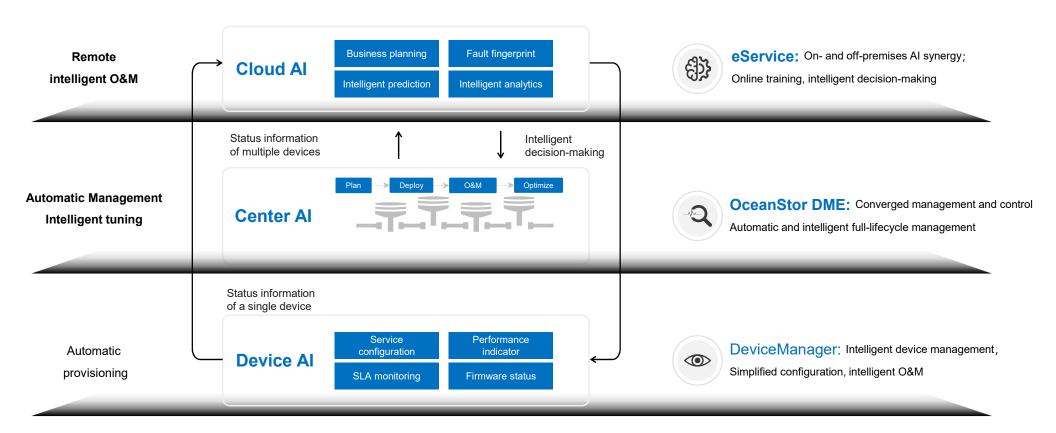
Multi-level distributed read cache







Automation: Three-Layer Collaboration for Efficient O&M





Cloud vs On-Premise

- The pandemic brought massive new business to cloud.
- Meanwhile some companies are moving off the public cloud.
- Enterprise storage cloud-integration capability is becoming more and more valuable.

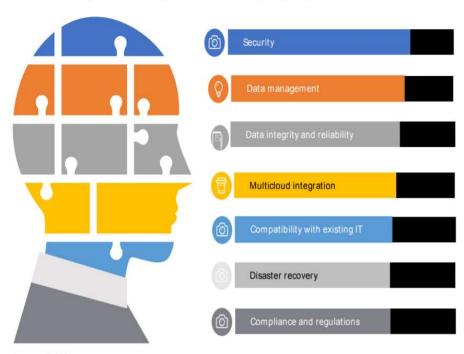
| | Cloud | On-Premise |
|-------------|---|---|
| Cost model | OPEX | CAPEX |
| Control | Less control | Full control |
| Security | Complete control over data and applications | Limited control and authority for data security |
| Compliance | More friendly to compliance regulations | Depends on region and availability |
| Flexibility | Superior flexibility | More suitable for predictable workload |



Containerizing Key Business Workloads

Container Deployment Challenges

Top challenges when deploying containers



Key engineering tasks moving forward:

- Increase integration of container orchestration platform
- Continue enriching container ecosystem
- Continue expanding data services for edge container use cases.
- Expand data services messaging to benefits around automated container strategy, cloud optimization, autoscaling, and cloud migration.

From an engineering perspective, strengthen governancerelated features around compliance, regulatory obligations, granular searches, rolling backups, and role-based access controls and security.

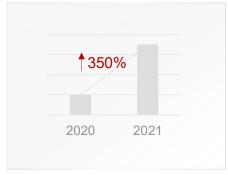




Ransomware Has Become a Major Global Cyber Threat

Ransomware is a type of malware that encrypts or steals victim's data and makes computers or specific files unusable or unreadable, and then demands a ransom to recover the computer or decrypt the encrypted file. Ransomware is constantly evolving, and often evades common antivirus software.

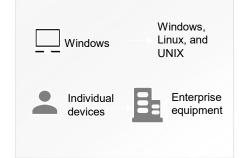
Sharp increase in attacks



Mainstream



Diverse attack targets



>>> Stealthier <<<





- > 350% attack CAGR.
- The number of new ransomware variants has increased by 46%.



Global Cybersecurity Outlook 2022 reported that ransomware attacks are the highest business concern for cyber leaders.



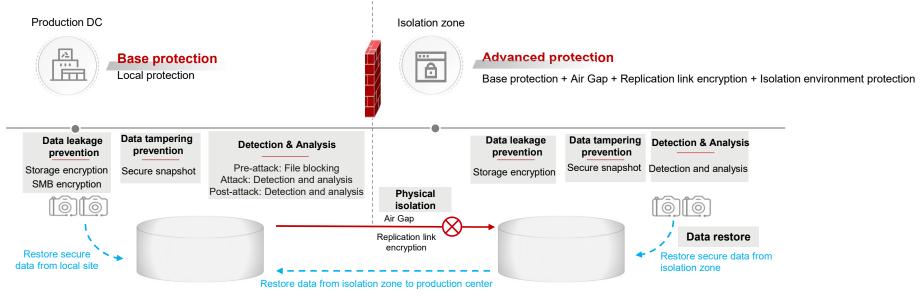
In 2021, the global industry sectors, such as manufacturing, service, construction, finance, energy, healthcare, industrial control, and government organizations were frequently attacked by ransomware, causing severe losses to global output.

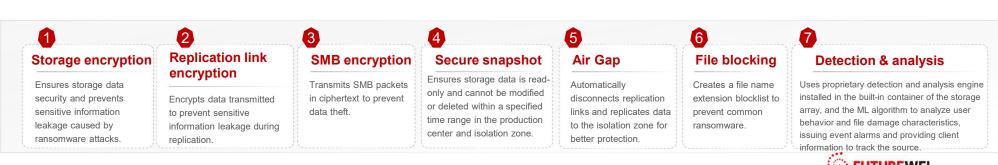


- Phishing attacks: Obtain sensitive information through masquerading.
- Brute force attacks: Use trial-anderror to guess login info.
- Zero day attacks: Exploit the software vulnerability before developers can find a fix.

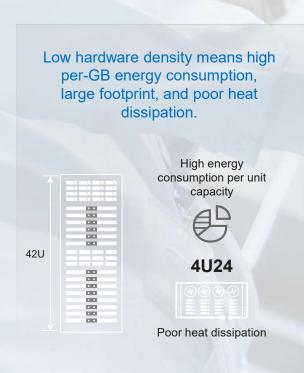


A Complete Ransomware Protection Solution





Higher density components enables better heat dissipation while providing higher density



For the same capacity, SSDs are 70% lower in power consumption and 50% smaller in footprint

High-density components



Typical power consumption: ~7W
Typical capacity: 600
GB/1.2 TB



Typical power consumption: ~7W
Typical capacity: 3.84
TB/7.68 TB

Industry-leading hardware density for 25% higher heat dissipation efficiency

High-density systems





Interpret the Gartner® Magic Quadrant



Strength: Strong execution

Huawei® has avoided the supply chain and component shortage issues that affected the lead times and price increases of its industry peers, maintaining normal lead times throughout the trailing 12-month period.

Weakness:

Geopolitical situation continue to weigh.



Thank You.

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