

### EXTEND UNIFIED IT MONITORING FOR YOUR STORAGE INFRASTRUCTURE

#### Business Challenge

Storage systems have become more sophisticated – and complex – as they’ve adapted to accommodate virtual and cloud-based application deployments. Incorporating these critical systems into standard IT monitoring processes is essential to efficiently deliver end-to-end service reliability.

#### What is a ZenPack?

ZenPacks are customizable and extensible plug-ins used to extend the Zenoss platform. They use standard APIs and protocols, including SNMP, WMI, SSH and many more, to collect real-time health and performance data from any type of system or application. The flexible, highly extensible ZenPack model allows the Zenoss platform to extend discovery, performance and availability monitoring capabilities to new technologies quickly. Zenoss currently boasts a catalog of more than 400 ZenPacks covering physical systems, containers, cloud deployments and applications.

#### ZenPack Classification

<b>ZENOSS COMMERCIAL</b>	Our commercial ZenPacks are designed for customers who want to get the most out of their IT monitoring platforms. These ZenPacks provide in-depth integrations with the most modern, cutting-edge technologies and are included for customers with Zenoss Service Dynamics (ZSD) or ZaaS (Zenoss as a Service) subscriptions.
<b>ZENOSS OPEN SOURCE</b>	Open-source ZenPacks are also created by Zenoss and cover a broad range of traditional IT technologies – like server, storage and network monitoring devices – from many of the largest and most trusted data center brands. Open-source ZenPacks are freely available to everyone.
<b>COMMUNITY</b>	Community ZenPacks are often focused on specific technologies or functionality extensions. They are created by our customers and partners and are supported by the same community of developers that creates them. Community ZenPacks are freely available to everyone.
<b>SUBSCRIPTION</b>	Our Professional Services integration packages are offered as subscriptions and include ongoing compatibility and maintenance. Each package is a customized integration, and all standard packages are renewable every 12 months from the date of purchase.
<b>CUSTOM</b>	Zenoss users can create their own ZenPacks through use of the ZenPack Software Development Kit or by leveraging the Zenoss Professional Services team for custom ZenPack development.

#### ZenPacks for Storage Resources

Zenoss offers ZenPacks for two market-leading storage platforms, allowing organizations to quickly and effectively monitor these resources. The ZenPacks for EMC and NetApp provide visibility into how disk arrays, filers and other storage components are functioning to support service delivery. Because Zenoss Service Dynamics was built from the ground up to deal with dynamic environments, these ZenPacks are able to work across traditional, cloud or hybrid infrastructures.

The EMC and NetApp ZenPacks are tuned to the unique features of each storage platform, with the available APIs and protocols determining what exactly can be monitored. While the specific functionality will differ, both ZenPacks in this category will:

- Discover disks, storage enclosures, RAID groups, aggregates, LUNs, power supplies and other key components
- Monitor capacity, throughput, space utilization, cache efficiency, power consumption and temperature
- Collect events and forward them to the Zenoss console
- Map service impact relationships between components
- Report on storage usage via the Zenoss console

## ZenPack Functionality

ZenPacks help customers unify the monitoring of their server infrastructures as part of an enterprise-level, cross-silo view. The ZenPacks offered directly through Zenoss are developed to help IT operations organizations make their monitoring operations more efficient and effective. They are supported by Zenoss customer service and updated regularly by the Zenoss engineering team to support the latest releases from each ISV or hardware vendor.

## ZENOSS STORAGE ZENPACKS

PLATFORM	ZenPack Type		Features			
	Open Source	Commercial	Discovery	Performance Monitoring	Event Management	Service Impact/rca*
EMC		✓	✓	✓	✓	
NetApp		✓	✓	✓	✓	

\* Requires Zenoss Service Dynamics Service Impact

### ABOUT ZENOSS:

Zenoss works with the world's largest organizations to ensure their IT services and applications are always on. As the leader in Software-Defined IT Operations™, Zenoss develops software that builds comprehensive real-time models of hybrid IT environments, providing unparalleled holistic health and performance insights. This uniquely enables Zenoss customers to predict and eliminate outages, dramatically reducing downtime and IT spend.



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1-512-687-6854 (direct)  
1-888-936-6770 (toll free)



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