

# Zenoss ZenPacks Storage Systems

## Extend Unified IT Monitoring to 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?

A ZenPack is a software module that easily extends the monitoring reach of Zenoss Service Dynamics to all corners of your service delivery infrastructure. It collects performance data and monitors events originating from specific managed resources. ZenPacks plug into Zenoss Service Dynamics or Zenoss Core, displaying relevant performance and availability data from any resource in the Zenoss unified console as part of your standard resource management, service impact, or analytics views.

Zenoss has created more than 100 ZenPacks to help customers monitor common enterprise resources. IT organizations can also create their own custom ZenPacks or leverage the 250+ ZenPacks created by the global Zenoss community.

### ZENPACK CLASSIFICATION

<b>Commercial</b>	Zenoss produced and supported. Available only to Zenoss Service Dynamics customers.
<b>Open Source</b>	Zenoss produced and available as free downloads. Zenoss supported for Zenoss Service Dynamics customers; community supported for non-commercial customers.
<b>Community</b>	Zenoss Community produced and supported.
<b>Custom</b>	Zenoss users can write their own ZenPacks or leverage Zenoss Professional Services for 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 storage infrastructures as part of an enterprise, cross-silo view. The storage ZenPacks developed by Zenoss help IT operations organizations make their monitoring operations more efficient and effective, and are updated regularly by the Zenoss engineering team to support the latest releases from each vendor.

## ZENOSS STORAGE ZENPACKS

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

\* Requires Zenoss Service Dynamics Service Impact

### Learn More

**ZenPack Catalog:** Download currently available ZenPacks from Zenoss and the Zenoss Community

**ZenPack Generator:** Learn how to quickly and easily create your own ZenPacks

### About Zenoss

Zenoss is a leading provider of unified IT monitoring and management software for physical, virtual, and cloud-based IT infrastructures. More than 35,000 organizations worldwide have deployed Zenoss to manage their networks, servers, virtual devices, storage, and cloud infrastructure, gaining complete visibility into their IT operations.