Get Intelligence Across Your Storage Environment with StorageX & NetApp OnCommand Insight (OCI)

Not all analytics on your storage environment are the same.

Trying to tackle dark data and unstructured files? You'll want StorageX to access filesystem information—files, shares, and exports—and their metadata. StorageX also moves the data you analyze based on policies you create.

Or maybe you want to access higher-level information on your environment performance and service levels? Then you'll need OCI for the monitoring and alerts it provides on your infrastructure and hardware.

StorageX Provides Filesystem Analytics & Policy-Based Movement

StorageX scans your storage resources—as many or few as you wish—to see which files are stored where. It's a comprehensive, scalable way to understand what's present in your environment—instead of spending weeks writing scripts or using metadata viewers to gather the same information. And you can custom-tag the files each scan returns.

Once you know which files are where, you can analyze scans based on the metadata parameters you choose—like age, activity, top consumers, potential storage savings, and more.

If you want to act on the analyzed files, create a movement policy to manage that set and other sets like it. StorageX will then move data where you need it based on your polices—complete with the custom tags and metadata.

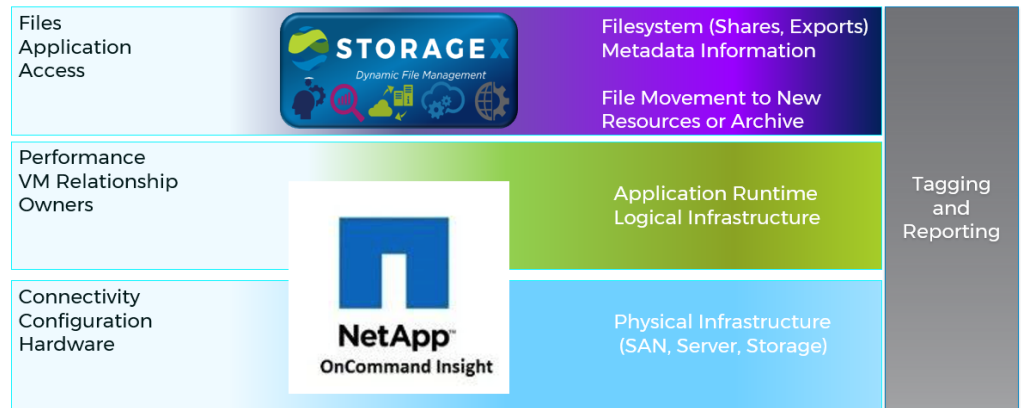## NetApp OCI Provides Infrastructure Analytics & Alerts

NetApp OCI is an agentless analytics platform to monitor the performance and capacity of your storage infrastructure. The platform operates across vendors and your heterogeneous storage environment—be it physical, virtual, or cloud.

Unique OCI Capabilities

- Discover SAN devices and block-storage resources.

- Discover virtual server resources.

- Discover and map applications to their storage resources.

- Identify greedy or degraded resources, network bottlenecks, and rogue behavior.

- Receive alerts on policy violations and thresholds.

You might use OCI to monitor service levels, optimize performance and capacity across your data centers, or get active alerts on abnormalities to decrease your troubleshooting time. It can also help identify resources that are underutilized or degraded, as well as memory hogs and CPU bullies. After observing how you use data across your enterprise, OCI will offer insights to optimize your tiering strategy—though OCI itself doesn't move data.

StorageX and OCI Areas of Operation

Use Case: Automated Tiering with OCI and StorageX

You've probably got a tiered storage environment with appropriate SLAs assigned to each tier. But how many of the CIFS from your business applications should probably be on a different tier—either to improve performance or save costs?
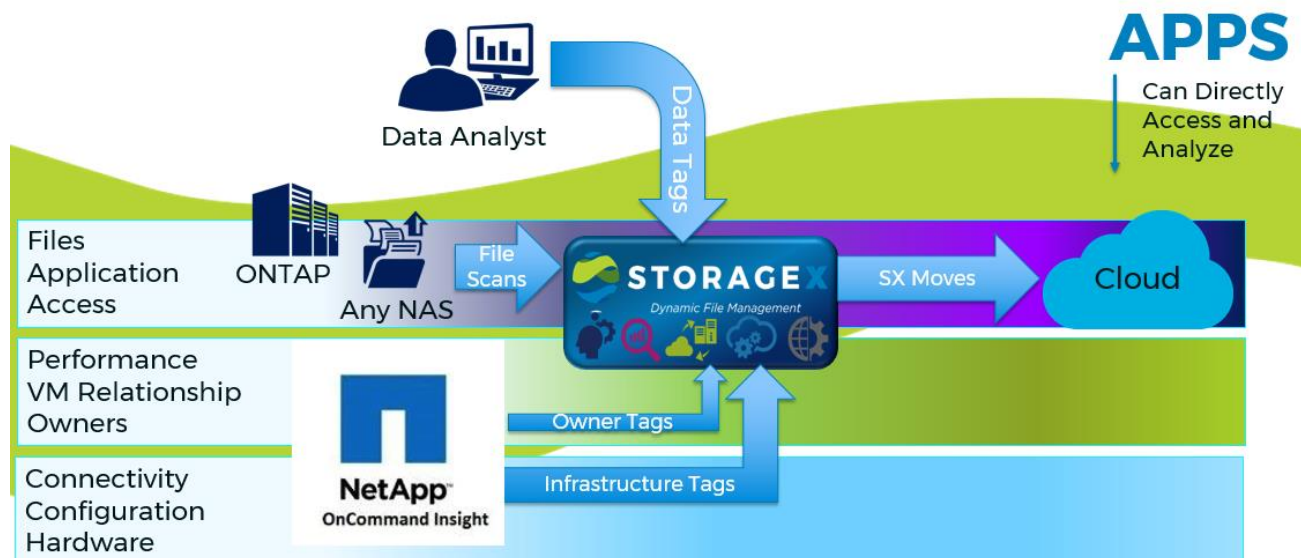
With OCI monitoring your virtual resources, you might learn that Application A has been running hot for the last two months. OCI might recommend you move Application A's CIFS off that bronze tier, and over to higher SLA storage.

To move the application's files, you might create a StorageX policy for any files running hot for more than two months. When the policy conditions are met, StorageX will move your files automatically to the pre-specified target. Or, your IT automation platform can invoke a StorageX API to move the data to the appropriate target. Whichever you choose, your applications can continue to access the files in the new location.

Benefits of Your Custom Tags Persisting into Object Store:

- Create repository, archive, or library in standardized S3 cloud.

- Standardize content management and search through native S3.

- Enable metadata-rich data lakes of S3 data for business analytics and intelligence.

About Data Dynamics

Data Dynamics is a leader in intelligent file management solutions that empower enterprises to seamlessly analyze, move, manage, and modernize critical data across hybrid, cloud, and object-based storage infrastructures for true business transformation. Its award-winning StorageX platform eliminates vendor lock-in and provides a policy-based, storage management platform to provide the insight, agility, and operational efficiency to transform your data assets into competitive advantage. Used today by 24 of the top Fortune 100 companies, StorageX has optimized more than 160 PB of storage, saving more than 80 years in project time and $80 million in total storage costs. For more information, please visit: www.datadynamicsinc.com.