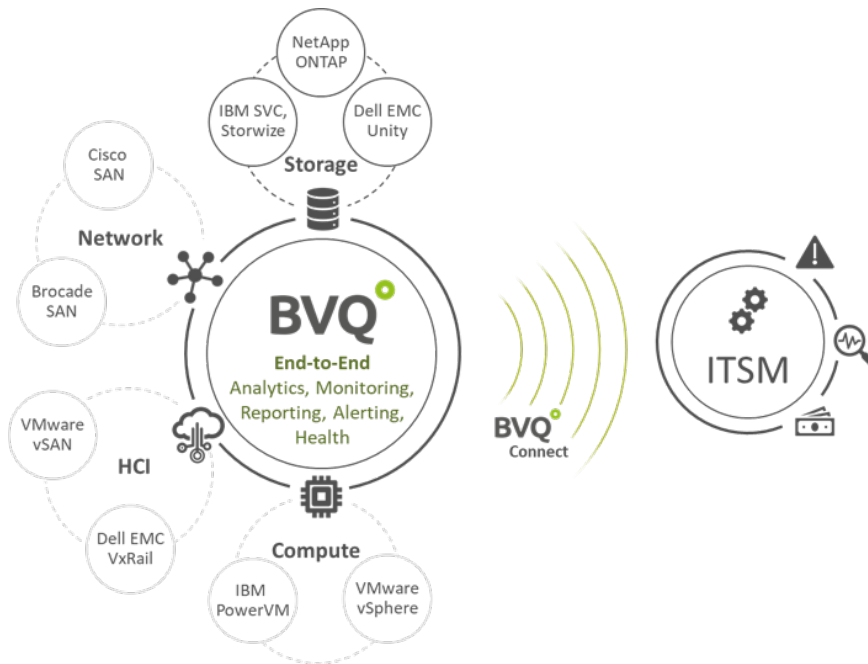


# BVQ for Storage Platforms

## Make the right decisions!



## BVQ end-to-end Analytics provides support to monitor your Spectrum Virtualize Storage, NetApp ONTAP and Dell EMC Unity Systems.

Use all relevant information from the Storage in combination with Compute and SAN infrastructure – fast, secure and proactively.

- 1) Visualization:** At a glance, you can monitor all your Storage Systems across different data centers – not just individual or isolated systems, but throughout the entire infrastructure – end-to-end.
- 2) Optimization:** Easily plan your IT requirements based on historical and current performance data and solve performance issues with the lightning-fast BVQ Analytics GUI.
- 3) Monitoring:** Get early warning about misconfigurations, capacity bottlenecks or overloads and act proactively. Avoid single point of failures with automated redundancy checks.

**Embrace the advantages of monitoring all the IT infrastructure layers with a single solution!**

### Advantages with BVQ:

- ✓ Early warning detection of degradation or performance issues.
- ✓ Offers visualization via easy to understand interfaces and detailed reports.
- ✓ Ideal for quick end-to-end problem analytics.
- ✓ Insight analytics for future system expansion planning.
- ✓ Provides an ITSM/BI connector that links the BVQ analytics results directly to your ticket system or other ITSM/BI systems.



# With BVQ, answer your Storage performance and status questions

## 1) Basic Supported Platforms

- How healthy are my Storage systems?
- Are there any risks or limits exceeded, is there potential for optimization?
- How do my Storage systems interact with the infrastructure? Are servers or networks overloaded and causing issues? E.g. at the application level.
- How strong is the current workload (volumes, pools, ports)? Who are the main workload generators and how is the load distribution?



Basic

Dell EMC Unity

## 2) In-Depth Supported Platforms

- Are all components of my storage system correctly configured? (Copy, Flash, Tiering)
- Is my Storage environment homogeneous and configured according to best practice?
- From a volume to a mdisk – what is the data path?
- Are there bottlenecks in caching or internal system structures?



In-Depth

IBM Spectrum Virtualize

NetApp ONTAP

## BVQ for Spectrum Virtualize Systems

- How available is my data? Is the Global Mirror (with Change Volumes) or vDisk Mirroring working properly in a Stretched Cluster?
- Can I meet the specified RPO?
- Are there bottlenecks in the remote SAN connections?

## BVQ for NetApp ONTAP Systems

- Is there a need for optimization of the snapshots or do snapshots exceed their allocated memory capacity?
- Is the data in my fabric pools optimally distributed across tiers?
- Are the data mirrors in my SnapMirror, SnapVault or MetroCluster optimally configured?

BVQ is the solution that gives you automated analytics, web reporting and alerting for Compute, Storage and SAN integration as well as connectivity to external applications.

