

# BVQ<sup>®</sup>

Business Volume Qualicision 1.0

KEEP YOUR STORAGE IN BALANCE

## BVQ by SVA

Introducing Business Volume Qualicision



WHY?

## Storage is a Top Management issue.

- > The total network disk storage market posted **15.8% year-over-year growth.**\*
- > Storage volumes are growing as much as 70% annually, and storage management is having a **profound impact on IT budgets.**\*\*
- > SANs and virtualization may have been the company's two saviors, but they have also made the **IT department's work more complex.**\*\*\*

\* IDC, March 2008 (NAS Combined with Open SAN)

\*\* Computerworld 2March 008

\*\*\* Network World April 2008

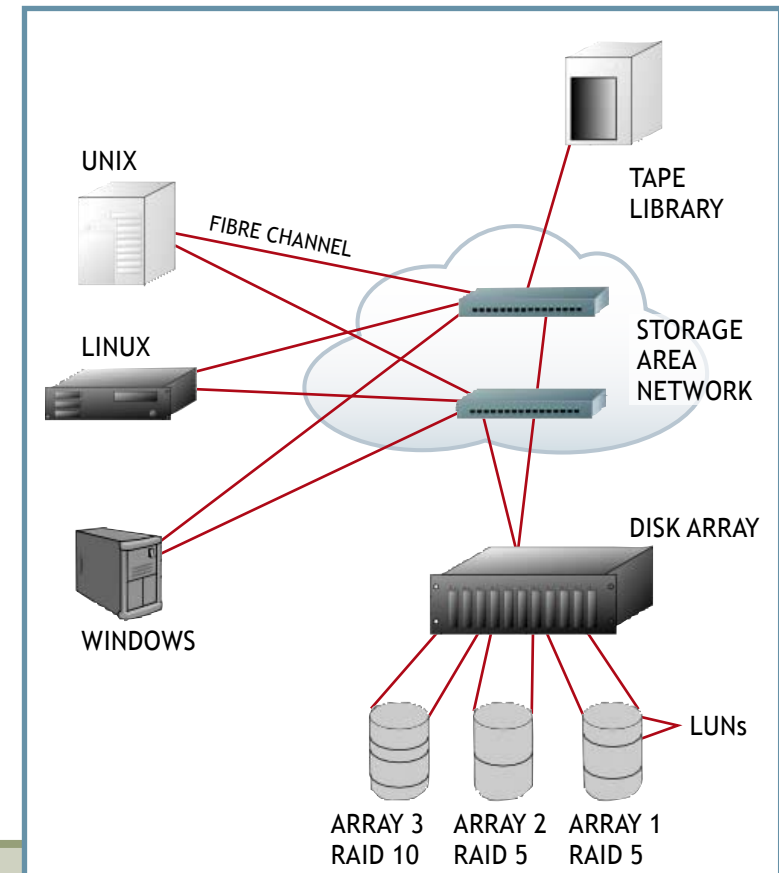


WHY?

## Get rid of your storage pains.

Looking at customer sites today it is difficult to...

- > identify **bottlenecks and hotspots**.
- > find **unused storage** resources.
- > **allocate storage cost** to applications and cost center.
- > provide **best services** at reasonable cost.
- > reduce storage **administration overhead**.



WHAT?

## Get transparency on your storage.

BVQ to be a smart SVC Visualization Tool by...

- > showing a **clear and transparent structure** of SVC performance and capacity data.
- > **navigating easily** through several levels of disk types and other aggregated storage data.
- > **deep diving into performance data** and always having a clear orientation where you are.

The screenshot displays the BVQ interface with a host overview and a detailed view of a VDisk. The host overview shows three hosts, each with a capacity of 940GB. The detailed view of the VDisk 'VD ES X3VMFS Tivoli' includes the following data:

| Attributes      |                                     |
|-----------------|-------------------------------------|
| ID:             | 121                                 |
| VDisk Group:    |                                     |
| MDisk Group:    | MDG_FST_R5                          |
| Extent Size:    | 16 MB                               |
| MobilityZone:   |                                     |
| IO Governing:   | 0                                   |
| Last Change:    | 2007-05-11 16:29:28.0               |
| Cache Typ3:     | readwrite                           |
| IO-Group:       | io_grp0_tssc                        |
| Preferred Node: | svc1n2                              |
| UID:            | 600507680185838438438473800000000c3 |
| Online State:   | online                              |
| Last Change:    | 2007-05-11 16:29:27.0               |
| Comment:        |                                     |

| Accountables |         |
|--------------|---------|
| Capacity:    | 50GB    |
| Price:       |         |
| Cost:        | 35,00 € |

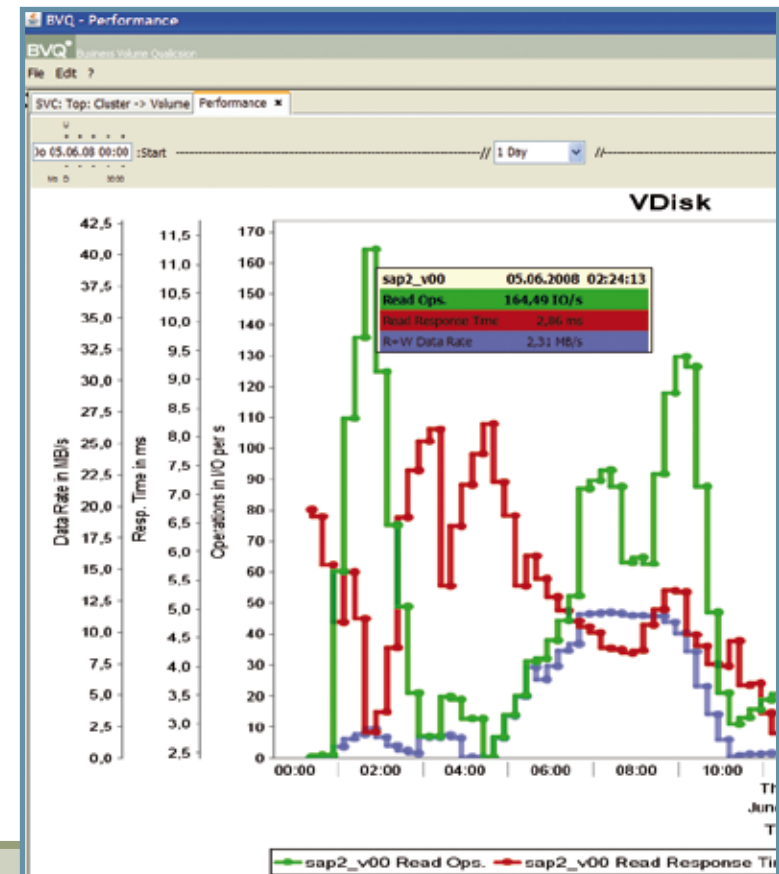
| Topology   |                     |
|------------|---------------------|
| Host:      | 2 Count:            |
| SVC:       | 5 MDisk Count:      |
| Subsystem: | 1 Array Count:      |
|            | 9 Disk Count:       |
|            | 1 Controller Count: |

WHAT?

## Manage virtualized storage efficiently.

BVQ to be a smart SVC Reporting & Analysis Tool by...

- > **classifying storage** resources based on availability and performance.
- > **enabling to find and analyze hot spots** and take appropriate measures to avoid them.
- > **creating** management and operational reports.
- > **surveilling service-level-agreements** thus delivering best performance/capacity to cost ratios.

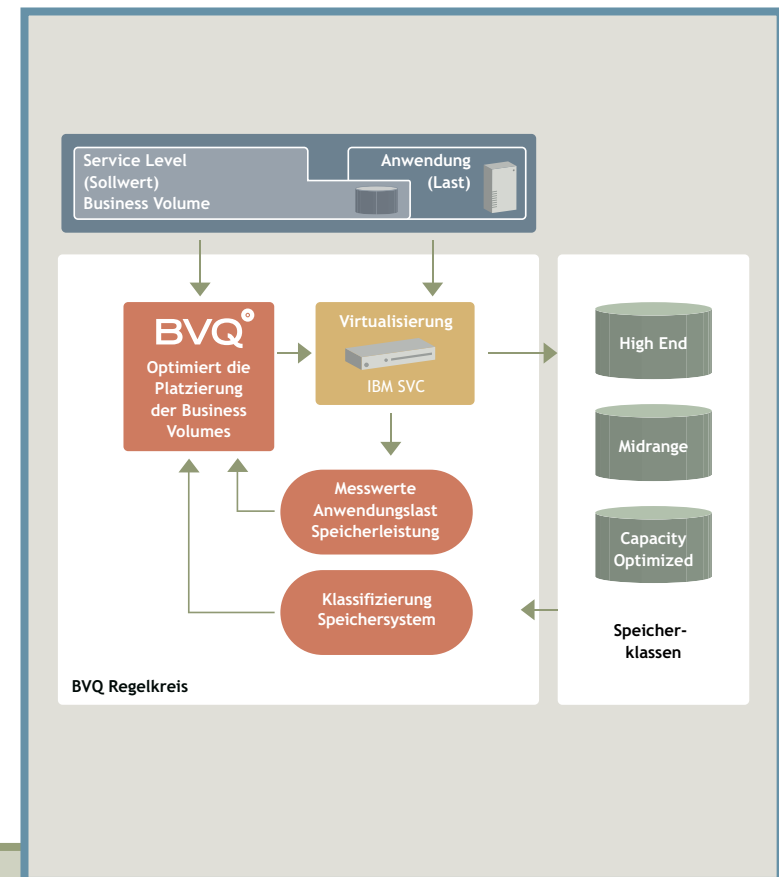


WHAT?

## A steering tool based on fuzzy logic.\*

BVQ to be a Feedback-Control System by...

- > measuring the SVC application load.
- > receiving the actual storage layout.
- > defining reference values.
- > generating placement suggestions.



\* Planned Q4, 2008

HOW?

Relying on customer experience and subject matter experts.

BVQ was developed by...

- > a 10+ Development, Project-Management & Consulting Team.
- > Best of Breed SVC Experts, consisting of Certified IBM IS-Architects and IBM Redbook authors.
- > relying on strong Customer involvement, having a close relationship to our SVC Customers and being the leading (Non-IBM) SVC supplier in Germany.

## Our customers appreciate the potential.

Customer quote:

> "Without using BVQ, you are blind."

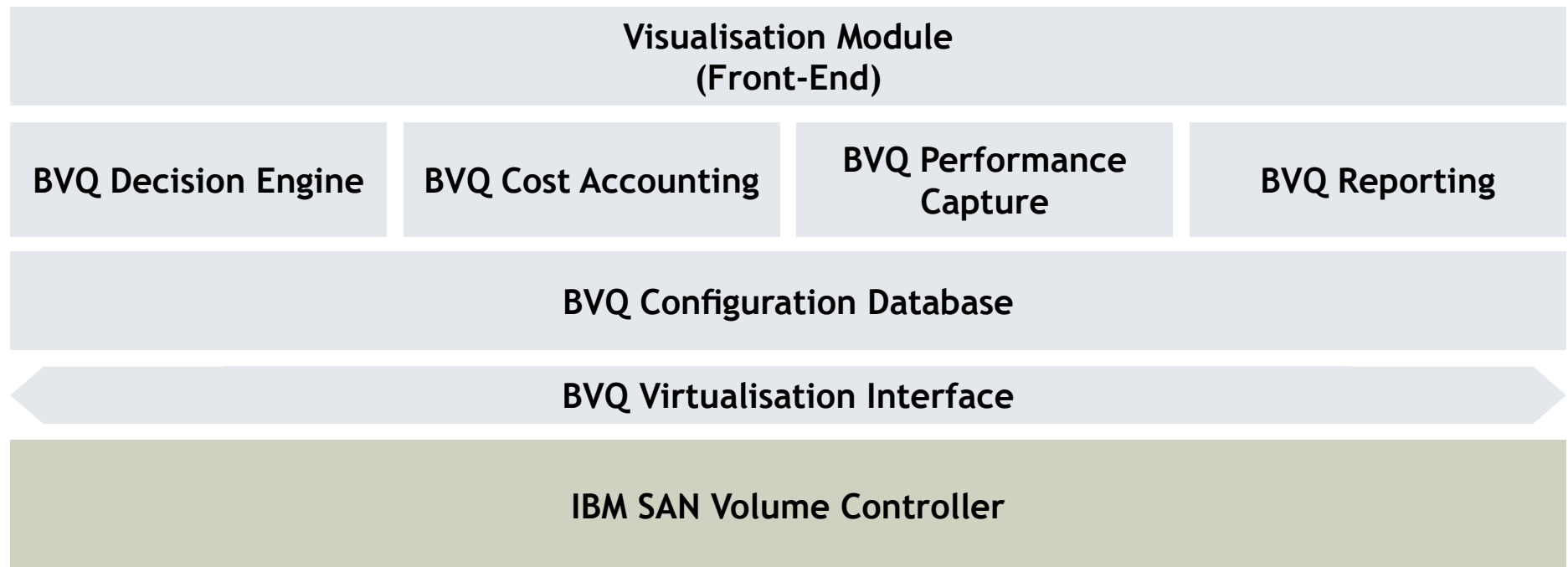
"BVQ is very useful for the day-to-day business."

"BVQ helps to make strategic storage purchase decisions."

Reinhard Waas,  
Storage Manager, LHS,  
A leading Provider  
of Telecom Billing Software,  
Germany

## BVQ MODULES

# State of the Art software architecture.



More information available on:

[www.sva.de/bvq](http://www.sva.de/bvq)

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