

# Component-based system for management of multilevel virtualization of networking resources

System komponentowy wspomagający wielopoziomą  
wirtualizację zasobów sieciowych

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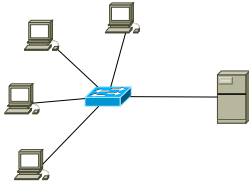
29.03.2011

# The environment

## 1. Physical

5 Logical Domains connected with a vswitch:

- ▶ dedicated NFS server node
- ▶ 4 worker nodes



## 2. Software

JIMS features & work done:

- ▶ node discovery
- ▶ Solaris resource management & monitoring
- ▶ common codebase

# Wrappers

`libdladm-` and `libflowadm-`based native libraries.

Allow for higher-level operations (CRUD) for etherstubs, (V)NICs, VLANs and flows. Still native, with minimum external dependencies.

# MBeans

Two kinds:

1. managers: entity discovery & general management
2. entities: fine-grained control (properties, statistics)

Bidirectional operations.

# Components (simplified)

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# Remaining work

1. charts
2. parallelization
3. refactoring & bug fixing