This Document is part of the initial information gathering for the Design Requirements of the OnTest and OnShadow framework of the OnEnterprise Modular Platform

KUBISYS
Delivering the ONEnterprise™

The first and only platform for the on-demand enterprise that utilizes intelligent storage and server virtualization for a secure active shadow enterprise without data duplication.

ON-DEMAND ENTERPRISE SOLUTIONS

OnShadow

OnTest

ONEnterprise

DATACENTER PORTAL
The first datacenter automation platform without data duplication.
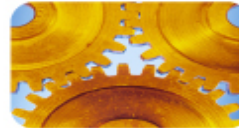
ADVANCED TESTCENTER
Automatically capture production mailservers, databases, webservers and applications.

MODULAR PLATFORM
The ONEnterprise solution framework delivers unmatched performance and flexibility.

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OnShadow

DATACENTER PORTAL
The first datacenter automation platform without data duplication.

OnTest

ADVANCED TESTCENTER
Automatically capture production mailservers, databases, webservers and applications.

- **OnShadow** delivers a complete set of tools for data center capture and experimentation.
- **OnShadow** eliminates many of the complexities and costs of traditional enterprise software lifecycle management.
- **OnTest for Exchange** supplies an integrated testing environment that exactly reflects your production
- **OnTest for Exchange** can perform in-place enterprise testing of the Exchange environment.

OnShadow

DATACENTER PORTAL
The first datacenter
automation platform
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OnTest

ADVANCED TESTCENTER
Automatically capture
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databases, webservers and
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What Can OnShadow and OnTest do?

- Minimize the number of times production systems are touched
- Rapidly check production status without touching production systems
- Experiment with data configurations in an isolated and secure environment
- Re-run a set of production applications for verification against original process results

Rapid Testing

OnTest gives businesses a rapid testing facility not previously available.

Rapid response to critical business needs

low risk

data and the applications running in production are available in the Active Shadow SE safely and securely

Responsive, customized troubleshooting and testing

Eliminates the guess work.

Before OnTest, businesses would devote weeks in setting up testing environments with no guarantee that the production environment was fully represented.

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OnShadow

DATACENTER PORTAL
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automation platform
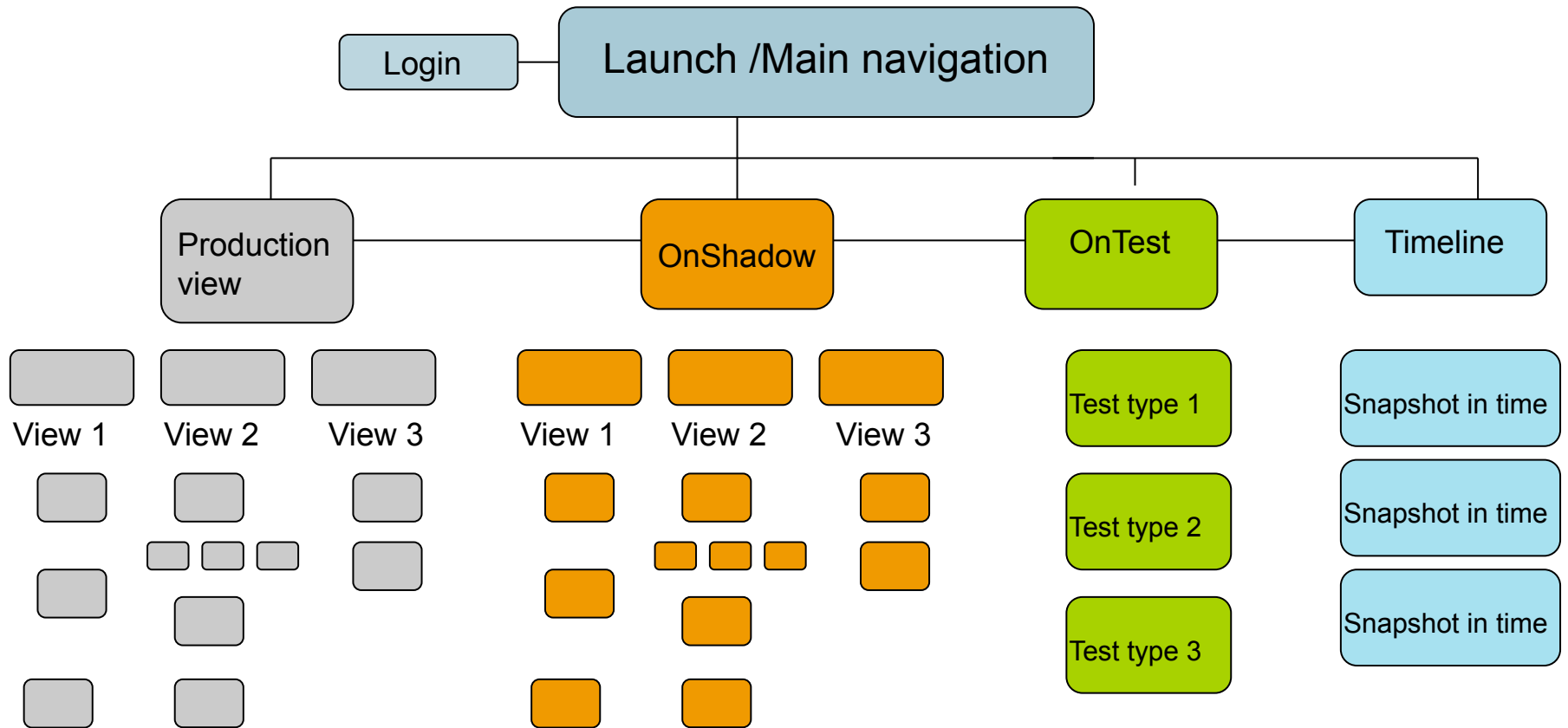without data duplication.

OnTest

ADVANCED TESTCENTER
Automatically capture
production mailservers,
databases, webservers and
applications.

How Does it Work?

- Exact replica of Exchange production environment without cost and time of mirror

- OnShadow creates an exact fully functioning data center without any data duplication.

- Production systems and OnShadow and OnTest operate securely and independently of each other.

- Security is built into OnShadow. Corporate data access policies are enforced within the architecture and are applied exactly in the generated enterprise.

- OnShadow Timeline can rollback the data center to a prior time with a single click. The rollback feature is exclusive to Kubisys OnEnterprise system (OnShadow and OnTest are two modules within the OnEnterprise system)

- IT administrators can safely make changes to the enterprise after testing within the OnShadow environment.

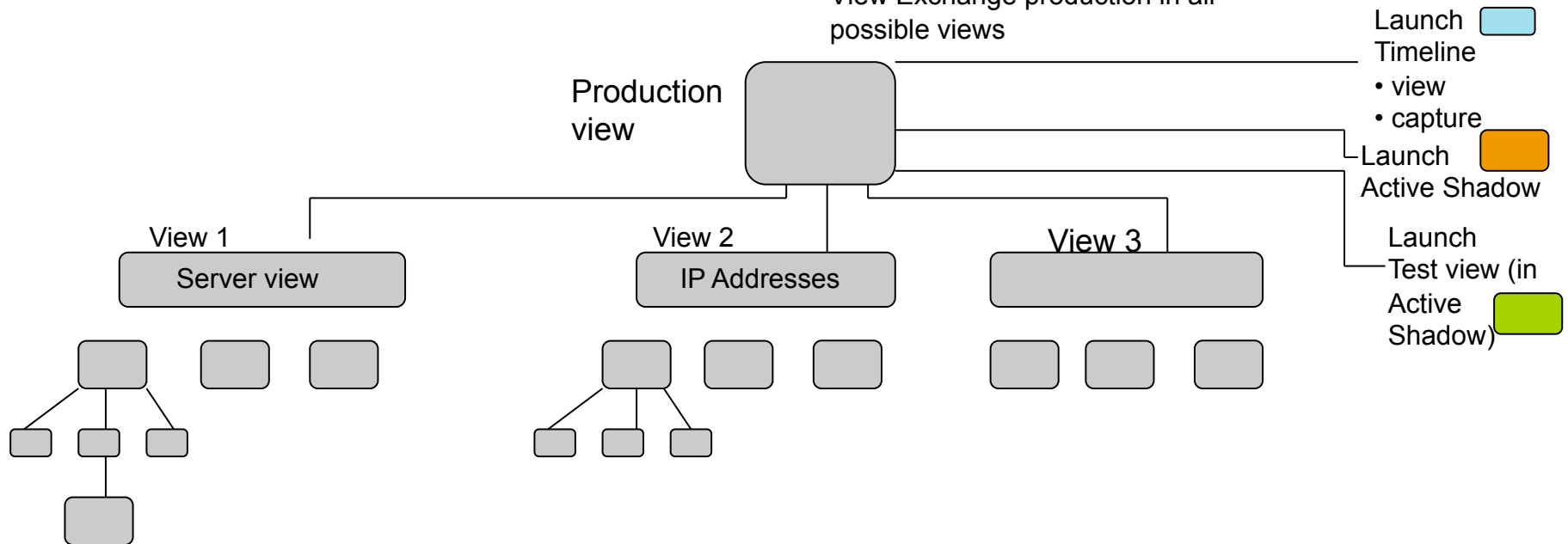- Enabling IT departments to respond more rapidly to their business needs with low risk: already tested and verified.

OnShadow/OnTest
General Overview

Production View

Production Exchange server re-creation
Completely secure environment
No contamination possible
View current production real time
View Exchange production in all
possible views

Launch
Timeline
• view
• capture

Launch
Active Shadow

Launch
Test view (in
Active
Shadow)

Production
view

View 1
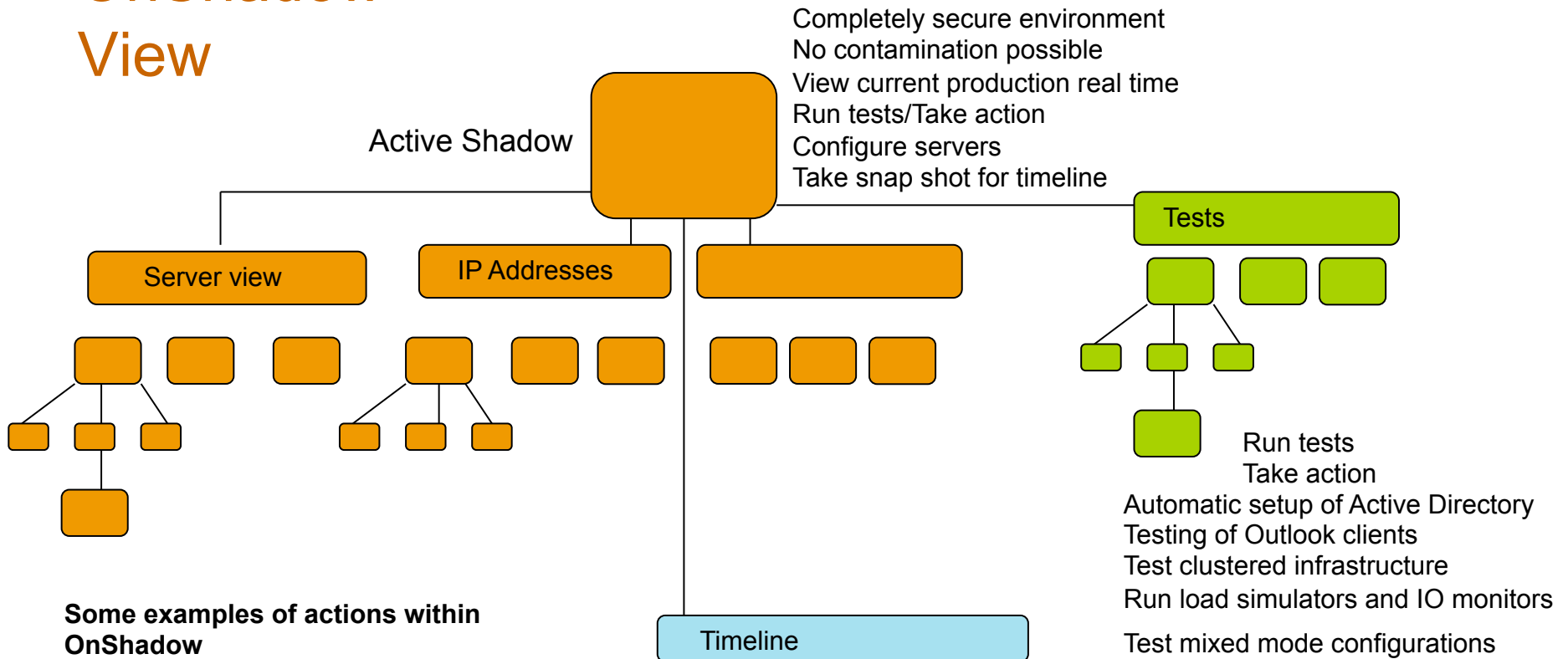Server view

View 2
IP Addresses

View 3

Some examples of how to use Production pane:
Inspect workflows to identify bottlenecks in production
configurations.

Verify in-place upgrades

Select which production servers to bring into OnShadow pane

OnShadow View

Active Shadow

Completely secure environment
No contamination possible
View current production real time
Run tests/Take action
Configure servers
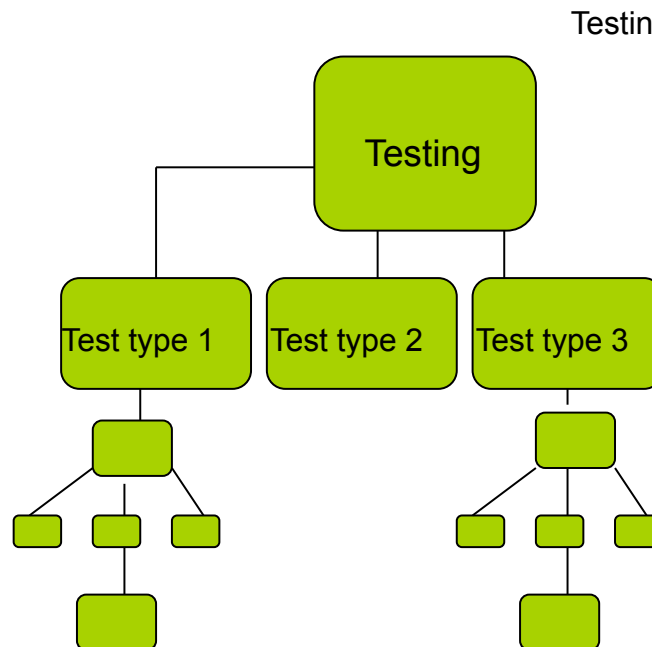Take snap shot for timeline

Server view

IP Addresses

Tests

Some examples of actions within OnShadow
Change and Configuration Management
Application and System Changes
Infrastructure and Architecture Changes
Configuration changes

Timeline

- Review previous snapshots
- Activate previous dates view in Active Shadow screen
- Allow snapshot branching
- Delete snapshots
- Re-run a set of production applications for verification against original process results

Run tests
Take action
Automatic setup of Active Directory
Testing of Outlook clients
Test clustered infrastructure
Run load simulators and IO monitors

Test mixed mode configurations

Tests

Testing functions only within Active Shadow pane ▭
    Select from canned tests
    Run tests/Displays results
    Take automatic or user directed actions
    View results in Active Shadow
    Take snap shot for timeline in Active Shadow

Testing

Test type 1   Test type 2   Test type 3

Some examples of Test Types
Exchange Performance Optimization and Tuning
Transport Tune Up
Tuning MTA
Tuning SMTP Transport
Balancing server workloads
Tuning AD Integration
Tuning OWA
Using memory efficiently on servers
Store and ESE Tuning
Upgrading hardware
Change and Configuration Management
Application and System Changes
Infrastructure and Architecture Changes
Configuration changes

Timeline

Timeline view

Snapshot in time   Snapshot in time   Snapshot in time

Records exact Exchange condition at a particular time (snapshot)
May record snapshots on schedule basis also
Can roll back to previous Exchange Production states
Reproduce previous states in Active Shadow
Create time based branching to view, troubleshoot, delete
Re-run a set of production applications for verification against original process results