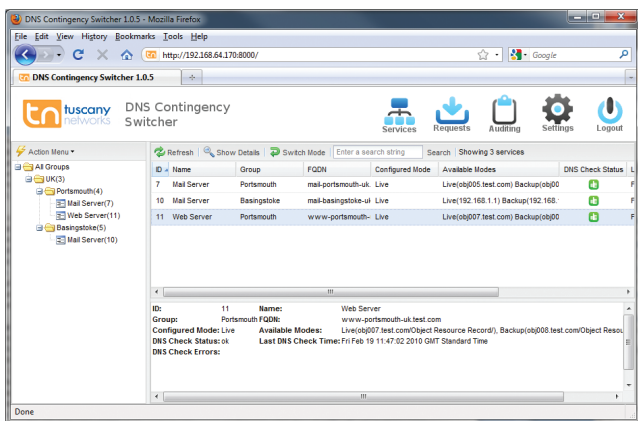


tuscany networks DNS Contingency Switcher

With the tuscany networks DNS Contingency Switcher, switching between live and backup services has never been easier.

Using a simple web-based GUI, operators can define individual services and specify the various host names and IP addresses used for the live and backup/contingent/standby systems.

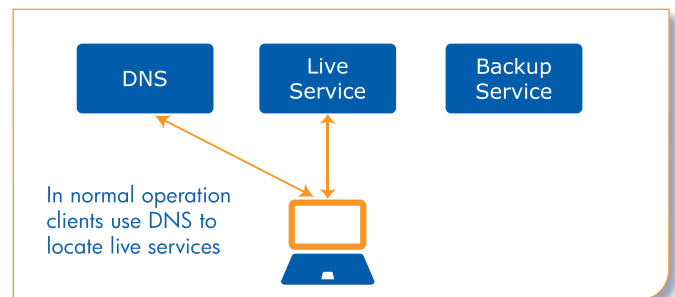
Typically, for most organisations, tracking the host name & IP address relationships in the Domain Name System (DNS) between live and backup services is performed manually, using spreadsheets or products such as Cisco GSS. Performing these DNS changes manually is a time consuming and error prone process, whilst using Cisco GSS requires delegating part of the DNS infrastructure to a separate device, therefore introducing an additional layer of complexity and cost.



DNS Contingency Switcher Web Interface

Services can be grouped together and when a switch is required, either a group or individual services can be switched from live to contingent servers and vice versa. Switching can occur immediately or they can be scheduled for some time in the future.

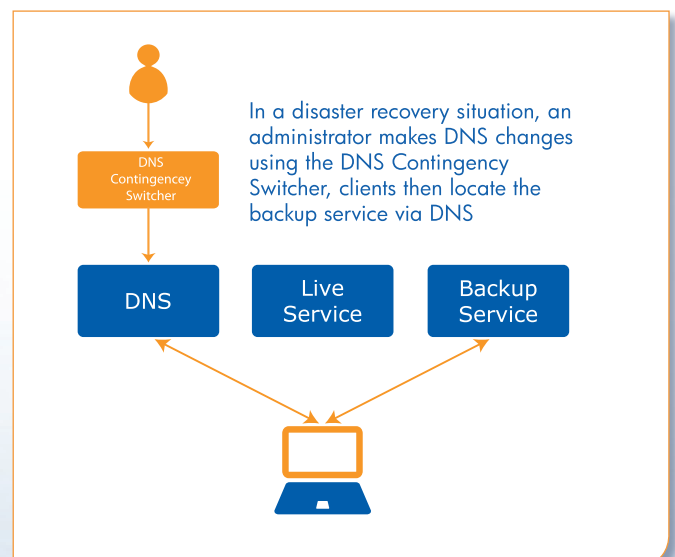
The system is totally flexible and allows the user to identify the type of addresses that are defined by “tagging” them with a customisable name e.g. “live”, “standby”, “backup”.



Normal Operation

Benefits

- Automate the switching of DNS records for disaster recovery
- Reduce the time required to switch services to your backup data centre
- Revert changes instantly
- Reduce technical complexity
- Eliminate human introduced errors
- Improve efficiency and reduce costs



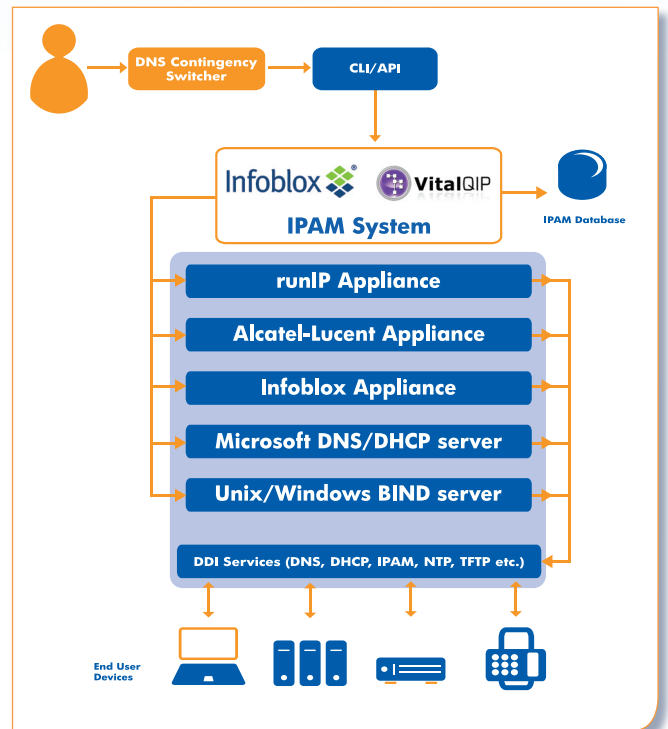
Disaster Recovery Mode

Product Features

tuscany networks DNS Contingency Switcher currently interfaces to the two leading Internet Protocol Address Management (IPAM) systems - VitalQIP and Infoblox, using published APIs/CLIs to perform the DNS changes. This allows the changes to be fully audited and reflected within the corporate IPAM database.

- Automate DNS changes for the switching of services
 - Switches DNS "A" or "CNAME" records
- Interfaces to existing IPAM system
 - Users are authenticated via IPAM system
 - No additional hardware required
- Granular permissions system
- Simple web GUI removes complexity of underlying IPAM system
- Audit trail of service switches
- Automated checking of DNS records to ensure they have switched correctly*
- Immediate or scheduled* switches

*This feature is currently only available in the VitalQIP version



DNS Contingency Switcher IPAM Integration Architecture

System Requirements

- Infoblox
 - The bloxTools environment on the Grid Master needs to be enabled
 - NIOS v4.3r2 or higher is required
- Alcatel-Lucent VitalQIP
 - DNS Contingency Switcher runs on the VitalQIP Enterprise Server or a system that has the VitalQIP CLIs installed
 - VitalQIP v6.2 (latest build) or higher is required

About tuscany networks

tuscany networks specialises in providing and supporting solutions within the DDI (DNS, DHCP & IP Address Management) market space.

tuscany networks has over 13 years experience of deploying market leading DDI solutions in large, multi-national blue-chip customers - making us a global leading provider and offering access to unrivalled experience and expertise.

tuscany networks adds value by analysing, recommending, consulting, deploying, training, maintaining and supporting comprehensive solutions. We can provide services over and above those offered by the product manufacturers, such as an "advanced operations layer" that adds business logic and removes the complexity associated with managing a complex DDI infrastructure.

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