

CHALLENGE OF IP ADDRESS, DNS and DHCP MANAGEMENT

Ostermundigen +41 31 560 35 35
Zurich +41 44 455 60 81
Carouge +41 22 732 16 27
Support +41 31 560 35 40

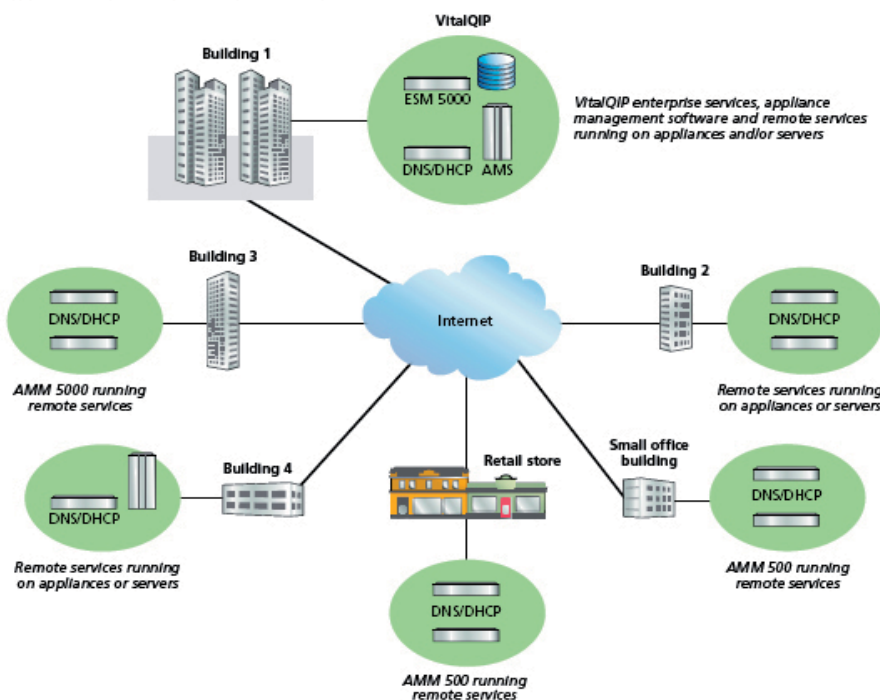
How important are reliable IP services for your business, both now and in the future?

In recent years the complexity of the IT infrastructure and therefore also the importance of IP, DNS and DHCP services have increased greatly. But the challenge, i.e. the difficulty of managing these services properly still exists. To ensure the quality of IP services, it is essential today to have reliable, secure and cost-effective IP address management (IPAM). Within IT DNS and DHCP services are among the factors which are critical for the success of a business. The management of IP services has been left a little on the sidelines, however, because its relevance to business cannot be directly seen or demonstrated. But what happens, for example, when the DNS service fails, and incorrect or no IP addresses are allocated? Important applications will fail! Reliable IP services are therefore still very important for availability and end user services and thus also for the success of your business.

The requirements of a modern IPAM system are

- Central IP management
- Multi-client capability, hierarchical administration
- Redundancy of the DNS/DHCP servers (high availability)
- Possible connection to other systems
- Integration of available DNS/DHCP servers
- Dedicated DNS/DHCP appliances

Figure 1. Example VitalQIP Appliance Configuration

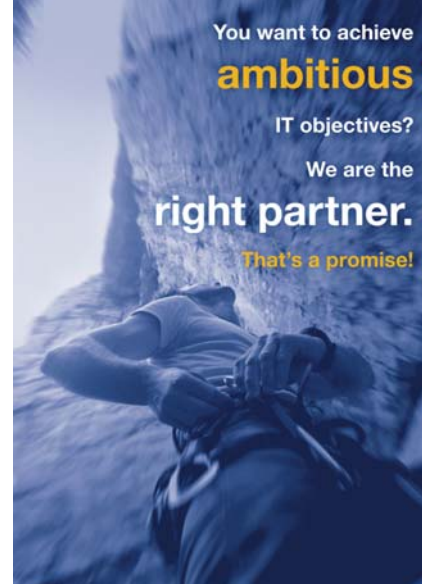


With Alcatel-Lucent VitalQIP

Devoteam Genesis provides a modern and proven next-generation management system. Services for address management going beyond IPv4 and IPv6 networks are carried out automatically with this. Together with highly available DNS/DHCP appliances this solution fully covers the requirements of a modern IPAM system.

Highlights:

- Immediate start-up
- optimised operating system
- Quick exchange with hardware failures
- Simple distribution of software updates
- Integrated monitoring of the DNS/DHCP services
- Automatic provision of important IP name and address services
- Optimised management, reduction of management costs



The VitalQIP IPAM solution automates the provision of IP services and guarantees the consolidation of all IP address information. This means distributed administrators can access the same IP database and the same information. The efficiency of management is increased by hosting IP address management services such as DNS and DHCP on special hardware appliance platforms while security and availability are improved at the same time. The VitalQIP DNS/DHCP appliances provide high performance and availability and a web-based graphical user interface used for smooth management, provision and application of patches and upgrades as well as monitoring IPAM, DNS, DHCP and other services. The configuration of services on the web

user interface is greatly simplified so the DNS/DHCP appliances and services can be updated with just a few simple mouse clicks without a specialist having to be available on site. If problems occur during an update, it is possible to revert to an earlier version of



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the service. The administrators have central access and an overview of the entire appliance network, they can access protocol and configuration files without problem, start and end services remotely on the appliances and quickly switch an entire appliance offline and restart it centrally. This saves time and travel expenses.

Hardware/software options

The VitalQIP DNS/DHCP appliances are available in different hardware versions. The «Vital-QIP Appliance 5000 Platform» has been designed for sophisticated environments while the 1000 platform has been created for typical business applications. The platform «Vital-QIP Appliance Manager 500» has been developed for use in small offices and retail stores where costs, noise level and size play a decisive role.

DNSSEC launches in 2010

Switch, the registration body for .ch and .li domains, will offer DNSSEC from February 2010. DNSSEC is an expansion of DNS which guarantees the authenticity and integrity of DNS responses. In professional circles it is seen as the solution for the «cache poisoning» problem. We expect DNSSEC to be one of the most important issues in the DNS/IPAM environment in 2010. This will be the case in particular with «external» DNS servers which are responsible for Internet resolution. As an experienced specialist we will be happy to advise you regarding DNSSEC in your environment.

Devoteam Genesis AG is a Swiss stock corporation and part of the French Devoteam Group with more than 4600 employees in over 24 countries. As a certified Alcatel-Lucent and Infoblox Premier partner we have been successfully providing IP management solutions since 1996. Our many years of experience in more than 100 successful projects, some of them worldwide, are the proof of our success.



You want
successful
IT projects?
We **provide** it.
That's a promise!