



Secure64 DNS ENUM Solution

A secure, scalable ENUM for modern IP core networks

ENUM is a critical component of your IP Multimedia Subsystem (IMS) architecture, as it directly impacts call performance and the end customer experience. Poor performance or system failure means failed calls and lost customers, so it is essential that your ENUM solution integrates seamlessly into the IMS in a secure, scalable, and reliable way.

Secure64 DNS ENUM is an NFV-ready solution built to handle the demands of even the largest virtualized IP core networks. Based on a high-performance, non-BIND DNS, our ENUM solution scales to hundreds of millions of subscribers while running as virtual machines on commodity hardware.

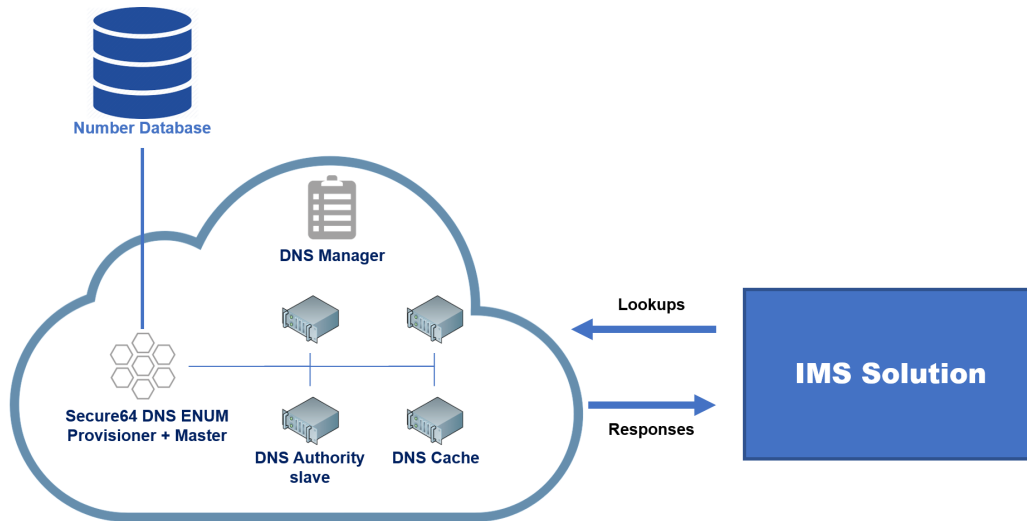
“Use of ISC BIND is fine for services which do not necessarily have a large data-fil (for example: GPRS, MMS) but for services such as ENUM where the data-fil can run into thousands, if not millions of resource records, a commercial DNS Nameserver product should be used.” – GSMA IR.67

With technology that can potentially impact your customers, failure is not an option. For that reason, our ENUM solution is designed to be fully redundant, with all components deployed in active-standby pairs that automatically failover in the event of a component failure.

Despite being deployed as a supposedly closed network, attacks can reach the core network and will again. Secure64 ENUM leverages the built-in protections of the underlying Secure64 OS to provide advanced protection against malware and DDoS attacks.

Components Included in ENUM Solution

- Secure64 ENUM Provisioner
- Secure64 DNS Authority
- Secure64 DNS Cache
- Secure64 DNS Manager



How Secure64 ENUM fits within your IMS solution

Secure



Built-in protection against exploits and DDoS attacks within the SecureOS kernel, in accordance with GSMA guidelines

Scalable



Built to easily scale with software without any cost to performance, Secure64 ENUM can provision up to 500 records/second using an easy RESTful API

Reliable



All components are deployed in redundant pairs in order to eliminate single points of failure

Compliant



Our DNS ENUM solution is fully compliant with relevant DNS and ENUM RFCs and GSMA and 3GPP standards

Manageable



Secure64 DNS Manager provides a graphical user interface to configure, monitor, control, report and alarm

Flexible



Secure64 ENUM components are installable as VMware or KVM virtual machines with support for Openstack NFV platforms

Learn more about Secure64 DNS solutions at www.secure64.com