




## Using VASCO Digipass® with Avaya VPN Solutions VSU™

**AVAYA** VPN Solutions enable organizations of all sizes to securely connect remote users, branch offices, business partners, and customers to take full advantage of the cost savings, flexibility and productivity enhancing benefits of Virtual Private Networks.

An important component of the Avaya VPN Solution is the VPN Service Unit (VSU). VSU's are dedicated, hardware-based VPN gateways that provide overlay remote access and site-to-site VPN and firewall services on existing enterprise networks. The VSU series of VPN gateways consists of five models: the VSU-100 for small and medium businesses, VSU-2000 for branch offices, the VSU-5000, VSU-7500 and VSU-10000 for large enterprises and managed data service providers. The VSU gateways are centrally administered and configured using the VPNmanager™ policy-based management application, and support remote access services with the VPNremote™ desktop VPN client software.

 VASCO's Digipass enables users to generate One-Time Passwords that safeguard access to e-business applications. By using Digipass patented technology, you enhance your security infrastructure. It can be deployed as a small hand-held device, a smart card reader, software for computers, laptops, PDA's or cellular phones.

Together, Avaya VPN Solutions and Digipass are a winning combination for remote users. The Avaya VSU's support in-built challenge based Digipass user authentication, allow organizations to leverage existing user authentication methods such as RADIUS servers and Digipass tokens.

### Features

Digipass
<ul style="list-style-type: none"><li>• Strong Authentication</li><li>• Response-only</li><li>• Supports DES &amp; 3DES</li><li>• Full interoperability within Digipass SW / HW family</li><li>• Customer programming and reprogramming capability</li><li>• Intelligent battery management with life expectancy of 7 years</li><li>• Internal real-time clock</li></ul>
VSU Series 100 - 2000 - 5000 - 7500 - 10000
<ul style="list-style-type: none"><li>• Scale from 100 to 10000 simultaneous tunnels at speeds from 16 to 400 Mbps</li><li>• Cost effective and simple to use</li><li>• Full redundancy for enterprise models</li><li>• Central administration minimising Network Managers time</li></ul>

### Benefits

- Seamless interoperability through VASCO's VACMAN Radius Middleware (VRM)
- Enhanced security with two-factor authentication
- All Digipass interoperate with Avaya VSU series, leveraging your investment
- Avaya VSU VPN user authentication methods can be combined with Digipass
- Achieve low total cost of ownership



## How Avaya VPN Solutions work with Digipass

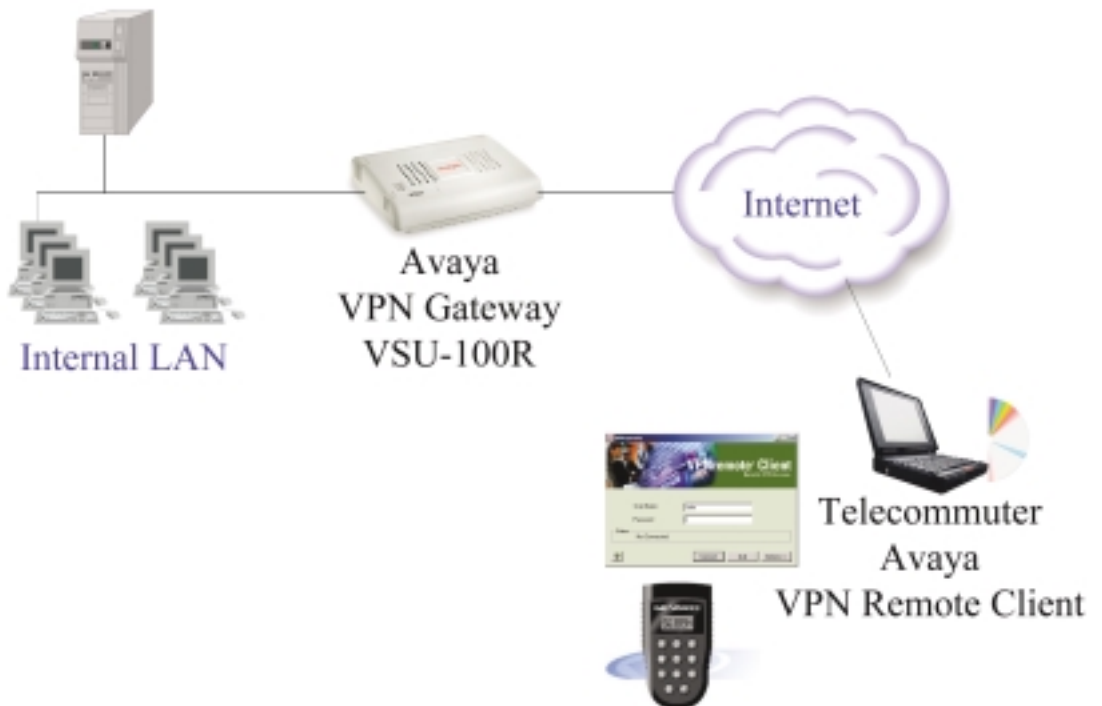
Avaya VPN Solutions provide an option to authenticate VPN connection requests to an external RADIUS server. By configuring the Avaya VSU settings to point to the VRM, you can enable strong user authentication using Digipass tokens.

Please note that VSU does not support Challenge-Response authentication. Only Static-Password and/or Response-Only mode of Digipass can be used.

The following steps illustrate the authentication process for Avaya VSU clients with VRM installed.

- 1 User enters PIN-code in Digipass which generates One-Time-Password (OTP).
- 2 User uses Digipass OTP to login to the VSU client.
- 3 The VSU client submits an authentication.
- 4 VSU sends a RADIUS authentication request to the VRM.
- 5 VRM authenticates the user and returns the authentication result to the VSU.

### VascoVACMAN Radius Middleware



[www.vasco.com](http://www.vasco.com)

#### EMEA

phone: +32.2.456.98.10  
fax: +32.2.456.98.20  
e-mail: [info\\_europe@vasco.com](mailto:info_europe@vasco.com)

#### AMERICA

phone: +1.630.932.8844  
fax: +1.630.932.8852  
e-mail: [info\\_usa@vasco.com](mailto:info_usa@vasco.com)

#### ASIA

phone: +65.6.232.2727  
fax: +65.6.232.2888  
e-mail: [info\\_asia@vasco.com](mailto:info_asia@vasco.com)



[www.avaya.com](http://www.avaya.com)

#### EMEA

phone: 00800 7487 4800  
[www.avaya.com](http://www.avaya.com)

#### AMERICA

phone: +1-866-GOAVAYA  
fax: +1-908-953-8577  
e-mail: [info@avaya.com](mailto:info@avaya.com)