

# Avaya Identity Engines Ignition Guest Tunneling Release Notes Software Release 9.3.0

NN47280-402

Issue 03.01

April 2017

## 1. Release Summary

Document Version: 03.01  
 Document Date: April 2017  
 Purpose: Ignition Guest Tunneling (IGT) software release to introduce the guest isolation feature for Wireless LAN 9100 solution.

Release Notes Revisions	Description	Comments
03.01	Initial release of Release Notes for IGT 9.3.0	

## 2. Important General Notes

- Avaya Identity Engines Ignition Guest Tunneling (IGT) Virtual Appliance is an Avaya Identity Engines portfolio product which provides Wireless Local Area Network (WLAN) 9100 guest user traffic isolation solution using Generic Routing Encapsulation (GRE) tunneling technology.
- Avaya provides the Identity Engines Ignition Guest Tunneling Server as a complete Virtual Appliance.
  - Do not install or uninstall any software components on this Virtual Appliance unless Avaya specifically provides the software and/or instructs you to do so.
  - Do not modify the configuration or the properties of any software components of the Ignition Guest Tunneling VM (including VMware Tools) unless Avaya documentation and/or personnel specifically instruct you to do so.
  - Avaya does not support any deviation from these guidelines.
- Avaya does not support upgrading the VMware Tools in the Ignition Guest Tunneling Server VMware VM. If you have already updated the VMware tools or unsure, stop the process and follow the procedure given below:
  - Take a backup of the Ignition Guest Tunneling System and Tunnel configuration from your existing VM.
  - Deploy a fresh new Ignition Guest Tunneling Server using the OVA supplied by Avaya.
  - Restore the system and tunnel configuration that was created from step 1.

## 3. Important Notes about this Release

Please make sure to refer to the Avaya WLAN 9100 documentation and Release Notes for detailed information about setting up the GRE tunnels on the 9100 APs.

## 4. Platforms Supported

The following VMware ESXi platforms are supported with Ignition Guest Tunneling release 9.3.0:

- VMware ESXi and vSphere version 5.1
- VMware ESXi and vSphere version 5.5
- VMware ESXi and vSphere version 6.0

### **IMPORTANT NOTE:**

VMware vMotion, VMware Player and VMware Workstation are not supported and cannot be used in conjunction with the Ignition Guest Tunneling Server.

## 5. Installation

File Names for Identity Guest Tunneling Server release 9.3.0

File Name	Module or File Type	Comments
AIGT_RHEL_6_5_LINUX-VM_09_03_00_032087_x86_64.ova	Ignition Guest Tunneling OVA file for VMware ESXi vSphere 5.1, 5.5 and 6.0 environments	Ignition Guest Tunneling release 9.3.0. This file is used for fresh VM install.

## 6. Compatibility

This version of Ignition Guest Tunneling is backward compatible with 9.1.1 release configuration files.

Software	Software Compatibility	System Requirements
Ignition Guest Tunneling Release 9.3.0	<ul style="list-style-type: none"> <li>• VMware ESXi versions 5.1, 5.5 or 6.0</li> <li>• Installation on a VMware ESXi server is done using an OVA file which already incorporates the OS Red Hat Enterprise Linux.</li> </ul>	<ul style="list-style-type: none"> <li>• The VM requires a x86_64 capable environment</li> <li>• Minimum 2 Dual-core CPUs</li> <li>• Minimum 4GB memory</li> <li>• Minimum 20GB available disk storage (VMware thin provisioning is allowed)</li> <li>• Minimum 1 physical NIC (preferably 3 NICs. Management, IN and OUT)</li> <li>• See <a href="https://www.vmware.com/">https://www.vmware.com/</a> for a list of supported hardware platforms for VMware ESXi.</li> </ul>

Ignition Guest Tunneling 9.3.0 release is compatible with WLAN 9100 release 8.0 and up.

## 7. Version of Previous Releases

Identity Engines Ignition Guest Tunneling Software release 9.1.0, Release Date – June, 2015

File Name: NN47280-402-01\_IDEngines\_Guest\_Tunneling\_Release\_Notes.pdf

Identity Engines Ignition Guest Tunneling Software release 9.1.1, Release Date – September, 2015

File Name: NN47280-402-02\_02\_IDEngines\_Guest\_Tunneling\_9\_1\_1\_Release\_Notes.pdf

## 8. Release Details

### 8.1. New Features in this Release

No.	Feature	Description
1	<b>Tunnel Groups</b>	Provision to group tunnels and perform group level actions like enable, disable and deletion of tunnels
2	<b>Tunnel VLANs</b>	Provision to assign VLANs to tunnels to segregate tunnel traffic
3	<b>Tunnel Display Status</b>	Improved tunnel status reporting with various filter options
4	<b>Licensing</b>	Support for Trial, LITE and LARGE licenses to suit different customer deployments
5	<b>Certificates</b>	Provision to install third party certificates for management web access
6	<b>Enhanced logging</b>	Syslog support with provision to configure up to three remote servers
7	<b>Trouble shooting</b>	Support for packet capture, generation of trouble ticket data and ping utility.
8	<b>System status and configurations</b>	Provides detailed information on network interface configuration & status, system resources and sessions
9	<b>Web UI Enhancements</b>	Enhancements in Web UI to improve user navigation and intuitiveness
10	<b>NIC Teaming</b>	Support for VMware NIC Teaming to achieve greater throughput

### 8.2. Customer Found Issues Resolved in this Release

No.	Description
JUPITER-3528	Blocking GRE ingress packets in OUT(br2) interface to prevent any possible loop
JUPITER-3722	IGT – Web GUI Rejects Client Hello For Chrome 55+ / Opera 42+ TLS GREASE

### 8.3. Outstanding Issues

None

### 8.4. Known Limitations

None

## 8.5. Application Notes

Item Number	Description
1	Support for NIC Teaming - In order to support NIC teaming, it is required that the ESXi be configured with "Route based on originating virtual port ID" as the Load Balancing policy at the vSwitch level. The corresponding switch to which the ESXi physical ports are connected should have the connected ports configured with MLT (Multi-link trunking).
2	IGT system backup does not contain the tunnel configuration. Hence, backup of system and tunnel configuration needs to be taken separately while migrating to a new IGT VM
3	After the system configuration import, IGT reboots automatically to take the new system configuration into effect. Plan the system configuration import procedure only during the time when IGT automatic reboot is acceptable.
4	GRE Tunnel configuration on the APs require local IP configuration
5	When certain configuration changes are made under the SSID screen for an SSID with GRE tunnel enabled, the tunnel can get disabled for the SSID inadvertently. Workaround is to navigate to that page and enable it explicitly.
6	WLAN 9100 AP supports both GRE and VTUN tunnels, but IGT supports only GRE tunnels
7	After certificate or license installation, the web service restarts and user is required to login again
8	When the IGT network interface is administratively disabled (using admin CLI), this configuration is not persistent across reboots. This can result in the disabled interface status becoming up after reboot and routes configured on it to become active.

## 9. Upgrade Procedure

IGT release 9.3.0 follows the Identity Engines VM replacement process.

### Step 1: Back up existing configuration

- Take a backup of the System Configuration from the current IGT 9.1.1 running VM
- Take a backup of the Tunnel Configuration from the current IGT 9.1.1 running VM
- Shutdown IGT 9.1.1 VM

### Step 2: Generate serial number and request for new License

- Deploy the new IGT 9.3.0 VM
  - Configure the IP address on the Admin interface (br0)
  - Launch the browser using the above IP address as the URL
  - Change the default password and re-login
  - Obtain the Serial Number of the IGT installation displayed on the License page
  - Send email request to [datalicensing@avaya.com](mailto:datalicensing@avaya.com) to transfer your existing IGT license to the newly generated Serial Number
  - In the interim, obtain an IGT Trial License from [www.avaya.com/identitytrial](http://www.avaya.com/identitytrial)
  - Install the IGT Trial License
  - Perform System Configuration restore into IGT 9.3.0 using the 9.1.1 System Configuration file
  - Perform Tunnel Configuration restore into IGT 9.3.0 using the 9.1.1 Tunnel Configuration file
  - Once you receive the transferred license Install the received license

## 10. Licensing Information

License Type	Target deployment	Tunnel Limit
Trial	30 days trial license	500
LITE	For small scale deployments	10
LARGE	For large scale deployments	500

Temporary 30-day license may be obtained from [www.avaya.com/identitytrial](http://www.avaya.com/identitytrial)

## 11. Documentation

For latest documentation please download the product documentation available from the Avaya Technical Support web site at: <https://support.avaya.com>.

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