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Avaya introduced IP Office Manager Release 9.1 on December 22, 2014. As we all know from working with IP Office Manager, every new release brings changes to its GUI. This white paper will help you be prepared for your installation and administration responsibilities using the latest version of IP Office Manager.

Session Initiation Protocol (SIP) Line Simplification

SIP Line configuration parameters have been reorganized. The standard line tabs now contain only those parameters that are commonly used for most deployment scenarios. A new SIP Advanced tab and a new SIP Engineering tab now contain the less common configuration parameters, usually reserved for expert users and support personnel.

SIP Line Silence Suppression

The SIP Line | Advanced tab now contains a Send SilenceSup=Off check box. This is used for the G711 codec. When checked, the silence suppression off attribute is sent in Session Description Protocol (SDP) on this trunk.

IP-DECT Line Resiliency

The IP-DECT Line | Gateway tab now contains configuration fields for Enable Resiliency. If resiliency is enabled, you can enable the option Backs Up My IP-DECT Phones on the IP Office Line tab.

Suppress NoCallerId Alarm

The NoCallerId alarm can be suppressed using a NoUser source number. For a description of source numbers, see User | Source Numbers.

Directory Overrides Barring

Call barring can be overridden for numbers entered in the external directory. The configuration setting Directory Overrides Barring has been added to the System | Telephony | Telephony tab.

Message Waiting Indicator (MWI) for Analog Trunks

An MWI using a Bellcore FSK MWI signal is now supported for analog trunks that terminate on an ATM4U-V2 card. The configuration setting is located at Extension | Analog | Message Waiting Lamp Indication Type.

Toll Bypass Prevention

A configuration procedure has been added for preventing toll bypass in Branch and Small Community Network (SCN) environments.

Time Profiles

An override option has been added to allow for a manual override of the time profile. There are also latch active/inactive options to activate/deactivate the time profile.

Hunt Groups

A time profile can be associated with a hunt group. When outside the time profile, the hunt group is automatically placed into night service. When inside the time profile, the hunt group uses manually selected mode.

Web Collaboration

The User | User tab now contains a Web collaboration check box. When enabled, it allows the user to use the Web collaboration application on one-X Portal on Linux.

Web Self-Administration

Under the User | User tab, there is a Web Self-Administration check box. When enabled, users can log in to the IP Office Manager via the Web address. They can configure the following settings: User, Voicemail, Do Not Disturb, Forwarding, Mobility, Personal Directory, and Button Programming. Access to these settings is controlled by the Administrator with choices to either make settings visible or allow the end user to change the configuration.

Answer and Disconnect Supervision

The System | Telephony | Tones and Music tab now contains an Analog Trunk VAD check box. Select this option to enable Voice Activity Detection (VAD) for analog trunks terminating on the ATM4U-V2 card. VAD functionality provides a Call Answer signal triggered by voice activity.

Third-Party Voice Quality Monitoring

The Real-Time Control Protocol (RTCP) collector IP address for phones field has been added to the LAN | VoIP tab. This setting enables you to send the RTCP data collected to a third-party QoS monitoring application.

Enable Remote Working

On the User | User tab, the Enable Remote Worker option does not need to be enabled for users with SIP phones if an Avaya Session Border Controller for Enterprise (ASBCE) is deployed in the network to allow remote workers to register their SIP phone from a remote location.

Outcalling Control

On the System | Voicemail tab, you can use the Outcalling Control setting to enable or disable system wide outcalling on Voicemail Pro.

Authorization Codes

The following changes have been made to authorization codes:

- Authorization codes are now enabled by default.
- Station message detail recording (SMDR) field 19 shows n/a regardless of whether an authorization code was used.
- Authorization codes can no longer be associated with User Rights. An authorization code must be associated with a user.

Note: In release 9.1, authorization codes can no longer be associated with User Rights. If an authorization code was configured in relationship with User Rights in an earlier release configuration, this authorization code will be lost during upgrade. The administrator must reconfigure the authorization code after upgrade. The authorization code must be associated with a user.

Mergeable Settings

On the System | LAN1 | VoIP tab, under the SIP Registrar Enable settings, the Auto-create Extn/User setting is now mergeable. Changing this setting does not require a reboot.

When creating an IP-DECT line, the settings are now mergeable. You can also remove an IP-DECT line without rebooting.

Support for IP 400 and IP 500 Hardware Discontinued

The IP 400 and IP 500 platforms are not supported in Release 9.1.

Alarms

The following alarms have been added:

- Log stamped
- CPU warning/critical
- Memory use warning/critical

Security

User Accounts

- The Manager and Operator default service users have been removed.
- The following administrative accounts are disabled by default:
 - IPDECTService
 - BranchAdmin
 - BuisnessPartner
 - Maintainer

Phone Login PIN and Voicemail PIN

You can now configure a phone login PIN using the Login Code Complexity fields on the System | Telephony tab. You can now configure a voicemail PIN using the Voicemail Code Complexity fields on the System | Voicemail tab.

Auto-Create User and Auto-Create Extension

The default setting is now Off for all Auto-create fields.

Local Area Network (LAN) Settings:

On the System | LAN1 / LAN2 tabs, the following settings have changed:

Field	Default
SIP Registrar Enable	Default = Off.
RTP Port Number Range	IP 500 v2 default = 4000. Range = 46750 to 50750. Linux default = 10000. Range = 40750 to 50750.

Security General Settings

On the Security Settings | General Settings tab, the following default values have been changed:

Field	Default
Security Administrator	
Password	Range = 8 to 31 characters.
Minimum Password Complexity	Default = Medium.
Previous Password Limit (Entries)	Default = 4.
Service User Details	
Minimum Password Length	Range = 8 to 31 characters.
Password Reject Action	Default = Log and Temporary Disable.
Minimum Password Complexity	Default = Medium.
Expiry Reminder Time	Default = 10.
IP Office User Details	
Password Enforcement	Default = On.
Minimum Password Length	Range = 8 to 31 characters.
Minimum Password Complexity	Default = Medium.
Password Reject Limit	Default = 5.
Password Reject Action	Default = Log and Temporary Disable.

Security Settings | System | Unsecured Interfaces

The following values have changed:

Field	Default
The fields	Default = On.
TFTP Configuration Read and TFTP Configuration Write replaced with TFTP ServerIt	This setting enables or disables the TFTP server. TFTP ServerIt is the new expression for the Configuration Read and Write fields
TFTP Directory Read	Default = Off. Also disabled if TFTP ServerIt is set to Off.
TFTP Voicemail	Disabled if TFTP ServerIt is set to Off.

Field	Default
The EConf field has been removed.	No
DevLink	Default = On.
The Real-Time Interface field has been removed.	No
Sys Monitor	Default = Off.

File | Preferences | Security

The following default values have changed:

Field	Default
Save Configuration File After Load	Default = Off.
Backup Files on Send	Default = Off.
Enable Application Idle Timer (5 minutes)	Default = On.

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About the Author

Cheryl Nygaard, Avaya IP Office course director at Global Knowledge, has more than 20 years of experience training on customer premise equipment and has worked for Global Knowledge for the past 13 years. She currently holds APSS, ACIS, and ACSS certifications in Avaya IP Office as well as an ACIS certification in Avaya Aura Communication Manager. Cheryl is also a Certified SonicWALL trainer and CompTIA Security+ certified.