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IPedge® System Product Bulletin

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IPedge 1.6.1 Enterprise Manager Product Enhancements

Toshiba is pleased to announce the next phase of administration features for the IPedge system. The latest software update complements the already powerful features of the IPedge system. Toshiba has simplified administration even further on the IPedge system. These new administration enhancements were taken directly from dealer technicians and sales representatives to help improve managing and installing the IPedge system.

New Administration Features in This Release

Listed below are some of the new features implemented in IPedge Release 1.6.1 software:

- Multi user administration in EMPA
- Model database 3-digit & 4-digit versions
- All phones programmed with multiple DNs
- Multiple DN wizard system call forward enhancement
- Preconfigured Toshiba SIP Trunk
- DID numbers from SIP URI
- SIP station password minimum requirement
- Cancel out of initial system setup
- Allow customer re-run the initial setup
- Application Server initial setup page
- Call processing default values
- Media Server generic defaults
- Upload email address from CSV file
- Upload SIP URI from CSV file
- Messaging default values
- Enable email client by default
- Auto configure IPedge address in Messaging
- Create Voice Mail SMDI I/O by default
- VM ports creation
- Import email addresses from ADS
- Default password match with Messaging + IPedge
- Port Configuration Table
- Primary server shows license information from secondary server
- Member server version number display
- System software components displayed in Webmin
- Built-in administration tools

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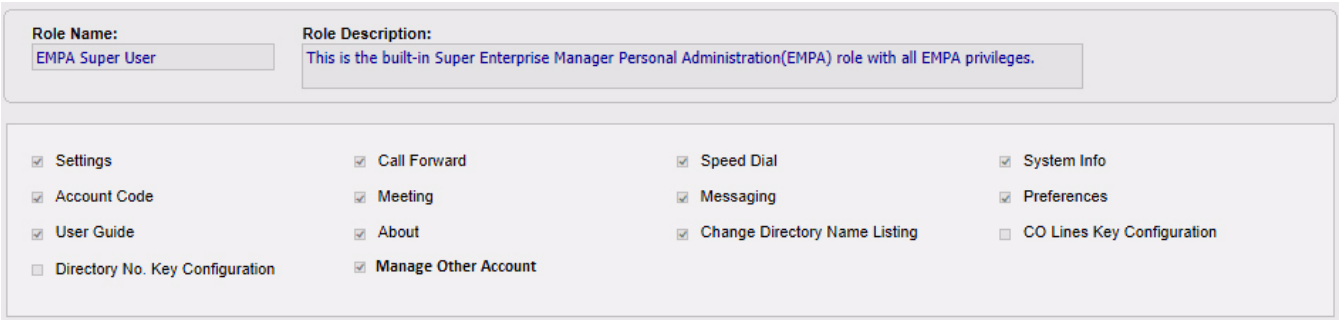
Multi User Administration in EMPA

A new user account called the Enterprise Manager Personal Administration (EMPA) Super User has been created. This new user account now has the ability to administer other EMPA user accounts. For more details, refer to the Roles and Users Feature Description on FYI.



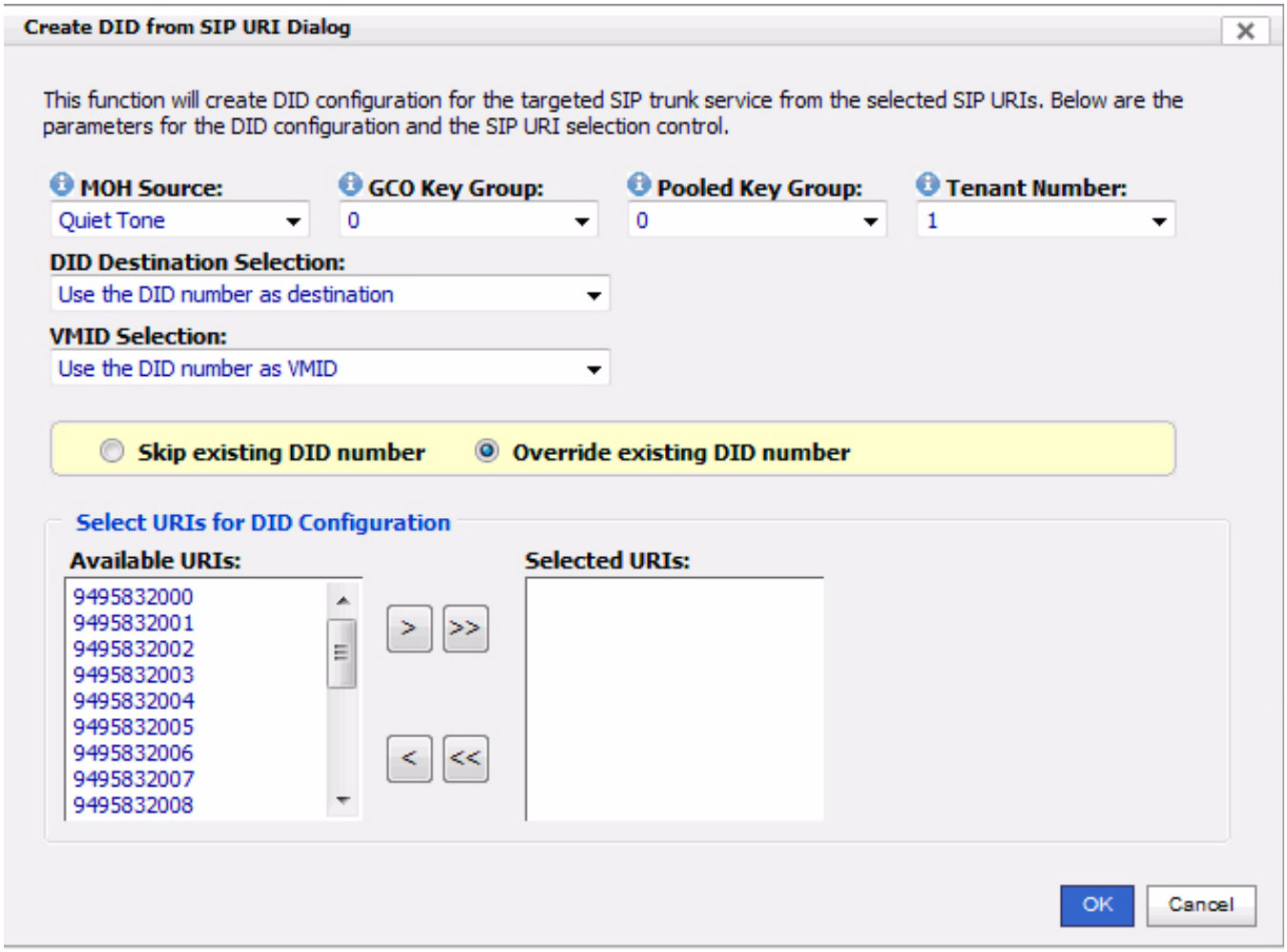
The EMPA Super User can manage the following attributes for other EMPA. users:

- Station button functionality
- Display Name
- Call Forward
- Speed Dial
- DND toggle
- Preferences including:
  - Phone display language
  - Color scheme
  - Email address
- Voice Mail parameters
- Meeting parameters

DID Numbers from URI

A new wizard has been added in Enterprise Manager enabling the administrator to create DID from SIP URIs. This wizard is intended to reduce configuration time in cases when the administrator creates the SIP URI table first before configuring matching DIDs. Until now, the administrator had to navigate to the DID menu pages and enter the DIDs independently from the URI table.

The wizard will operate on the URI list of a selected SIP trunk service. If the system has multiple SIP trunk services, the administrator can run the wizard for each service separately. The selected SIP trunk service determines the ILG group that will be used to create the DID entries.



SIP Station Password Minimum Requirement

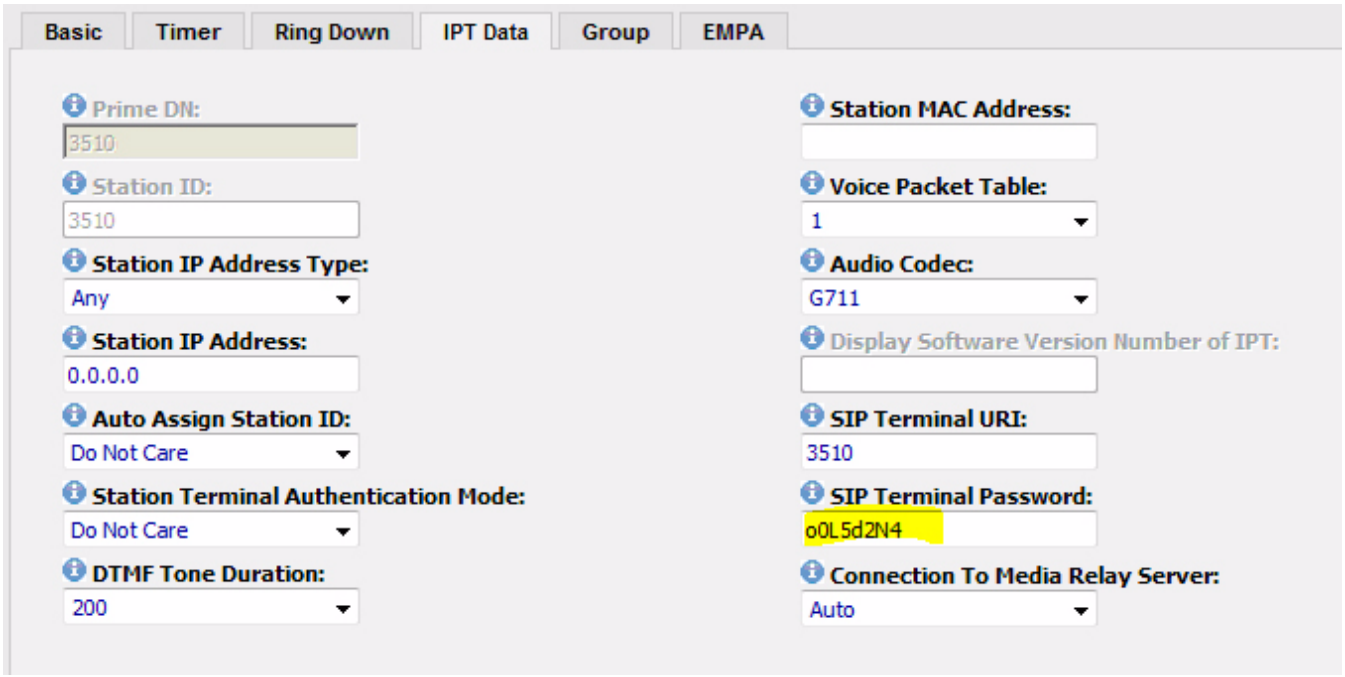
In order to properly secure IPedge SIP stations, all new SIP stations starting with version IPedge 1.6.1 will be created with a SIP station password. When a new SIP station is created, a random password will be created with the following attributes:

8 digits	1 lower case	1 upper case	1 number

The technician can change the password any time after creation for as long as the password criteria requirement above is met. The IPedge server will validate the user's input against this rule and provide a minimum a pass/fail status to the user before allowing the password to be saved.

The Station Assignment page will accept the password entry and submit it to the server for validation. If the password is unacceptable, the Save function will be blocked. When creating a range of DNs, the server will automatically generate a set of random passwords which will be saved to a file that can be downloaded to the administrator's browser. This file is temporal and will get overwritten the next time the Create PDN range is invoked. If the user decides not to download the password file a new password can be created for these users by editing the account manually. The download file is a convenient means of extracting the automatically generated passwords at the time they were created.

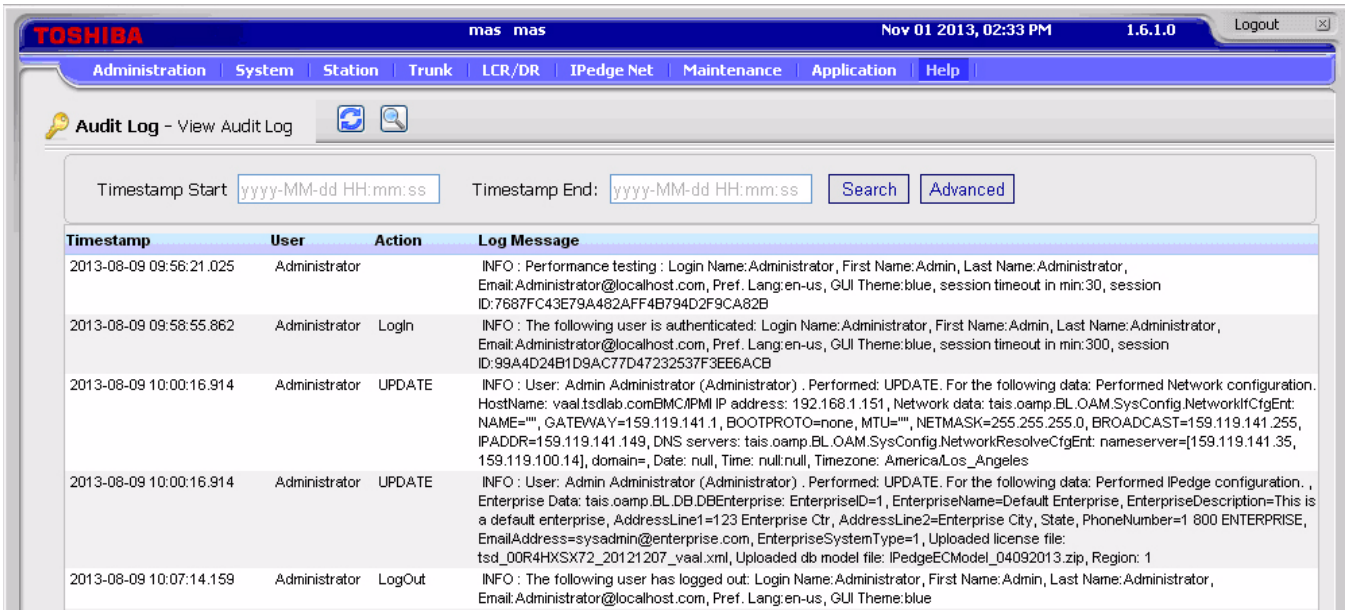
Example of random SIP Terminal Password

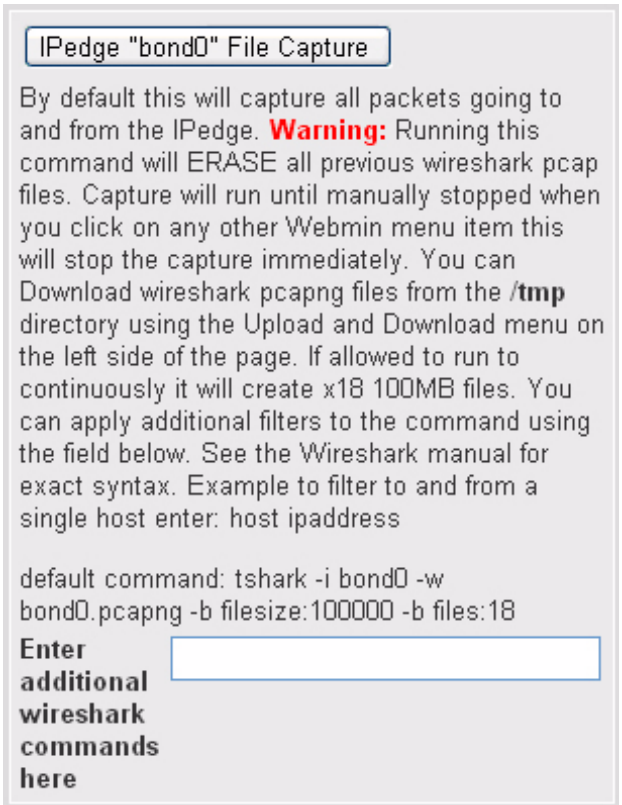


Built-in Administration Tools

A new GUI interface has been created for reporting and troubleshooting. The troubleshooting tool used is Wireshark to capture data packets. Wireshark is implemented in Webmin.

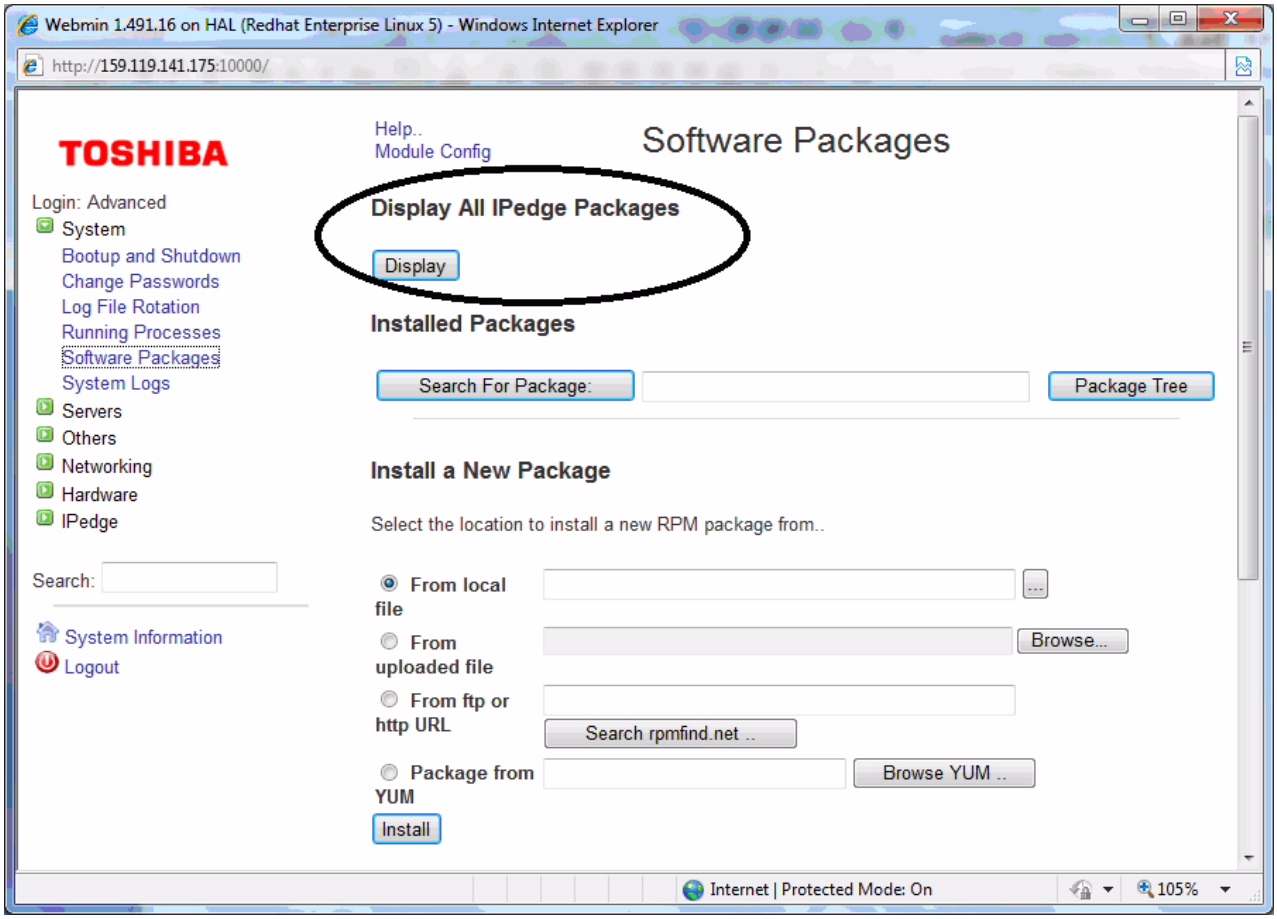
Example of Audit report





Webmin Software Components Display

Toshiba received feedback that there was not a way to display versions of all the IPedge components. Starting with 1.6.1, Webmin has been enhanced to provide an easy way to show all IPedge component versions in one page without having to go to multiple locations to extract the different component versions (see following screens).



Module Index
Help..

Package Search

Select all. | Invert selection.

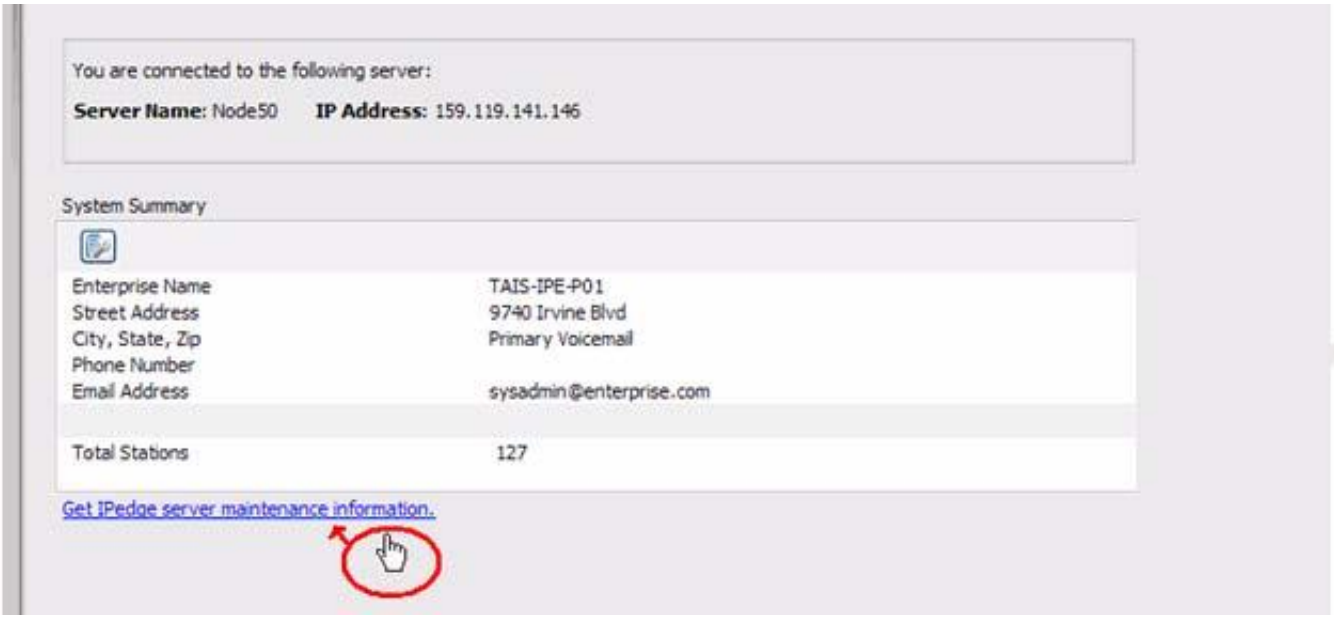
Package	Description
bacula-libs 5.0.2.22-3	Bacula - The Network Backup Solution
bacula-mysql 5.0.2.22-3	Bacula - The Network Backup Solution
GeM 1.6.1-9	IPedge Enterprise Manager
GeM-langpack-en_GB 1.6.0-3	IPedge Enterprise Manager en_GB Language Pack
GeM-langpack-en_US 1.6.0-2	IPedge Enterprise Manager en_US Language Pack
GeM-langpack-fr_CA 1.6.0-4	IPedge Enterprise Manager fr_CA Language Pack
gns 0.1.0-5	Installation for IPedge Net Server
gns-langpack-en_GB 1.6.0-2	Net Server en_GB Language Pack
gns-langpack-en_US 1.5.0-1	Net Server en_US Language Pack
gns-langpack-fr_CA 1.6.0-2	Net Server fr_CA Language Pack
GUM-langpack-en_GB 10.6.1-11	GUM UK English Prompts
GUM-langpack-es_MX 10.5.4-11	GUM Mexican Spanish Prompts
GUM-langpack-fr_CA 10.6.1-11	GUM Canadian French Prompts
GUM-langpack-zh_CN 10.5.4-8	GUM Chinese Mandarin Prompts
GUM-langpack-zh_HK 10.5.4-8	GUM Chinese Cantonese Prompts
igs-bmcsetup 1.6.2-1	IPedge BMC Setup
igs-gcp 1.6.101-1	IPedge Call Processing
igs-igsspv 1.6.101-1	IPedge Supervisor Process
igs-igsspv-scripts 1.6.101-1	IPedge Supervisor Process's script file
igs-libigsipc 1.6101-1	IPedge Interprocess communication libraries
igs-megaco 1.6.101-1	IPedge Megaco protocol converter
igs-mrs 1.6.101-1	IPedge Media relay server
igs-qsig-gw 1.6.101-1	IPedge QSIG-GW protocol converter

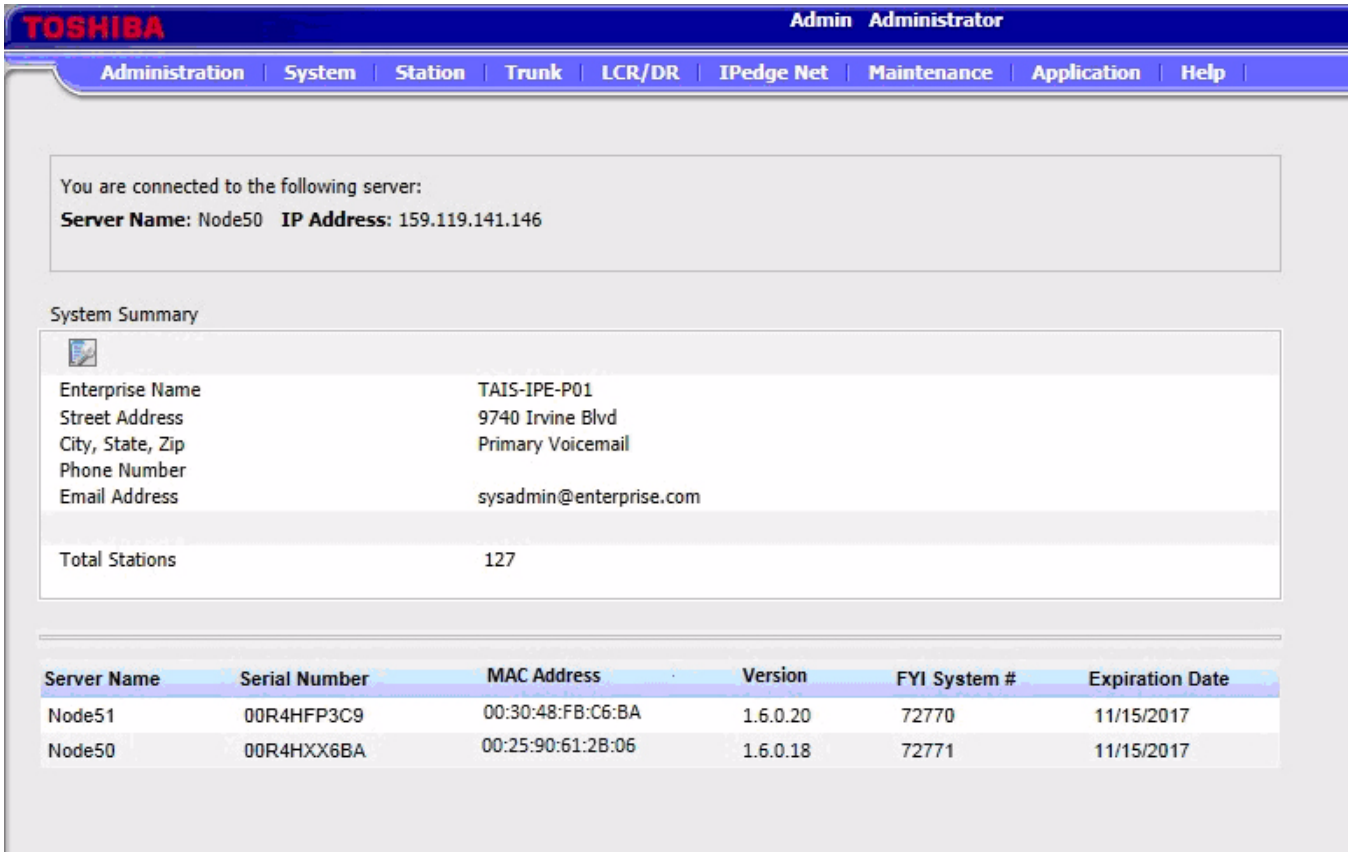
Email Address Import to Active Directory Sync (ADS)

When a new station is created in Enterprise Manager > Station Assignment using the information collected from AD/LDAP, the system will also collect the email address and pass the information to Messaging configuration functions, such that a new mail box with Unified Messaging (UM) can be created without administration user intervention. There will now be a UM checkbox in AD Sync settings and the DN creation page to enable UM syncing. When a user email address is changed in AD/LDAP, through manual or schedule synchronization, the system collects the new email address and passes the information to Messaging to update the users UM configuration without administration user intervention. IPedge Messaging will enable UM if it was originally disabled and the system will send a valid Email Address to update Messaging.

Member Server Version Display

Enterprise Manager now simplifies gathering all the system version numbers from all the IPedge Member Servers in the enterprise. A new link is provided in the Enterprise Manager Home page to give easy access to the version display screen.





Preconfigured Toshiba SIP Trunk

A new function has been added on the second page of the Initial Setup wizard for creating a Toshiba SIP Trunk. The properties of the preconfigured Toshiba SIP Trunk template will be stored in Enterprise Manager. This area of the Initial Setup wizard will be enabled only if no trunks have been configured in the system yet. The administrator will need to enter the following parameters:

- Total number of SIP Trunk Channels
- Effective Channel Number for the Toshiba SIP Trunk
- DID Digits (length)

The wizard is using ILG/OLG Group Number = 1 for the Toshiba SIP Trunk. If this group already exists, then the wizard will delete it prior to proceeding with the Toshiba SIP Trunk configuration. If the wizard was launched from the menu, Enterprise Manager will provide a warning before deleting the trunk group.

The Initial Setup wizard will create the following configuration:

- Creates an Incoming and an Outgoing Line Group.

Parameter	Value
Group Number	1
Group Type	SIP
CO Service Type (ILG)	DID
DID Digits	Taken from the wizard page

URI Upload and DID Creation

The second page of the Initial Setup wizard is revised to enable uploading the list of URIs. Since creating a URI table requires a configured SIP Trunk service, this area will be enabled only if the preconfigured Toshiba SIP Trunk area described in the previous section is filled in completely.

Besides the URI upload control there will be control to enter the following parameters:

- SIP URI User Name
- SIP URI Password

Auto-configure IPedge IP Address in Messaging Administration

When the IPedge is initially setup, it automatically configures the Call Processing SIP address in Registry > VoIP.

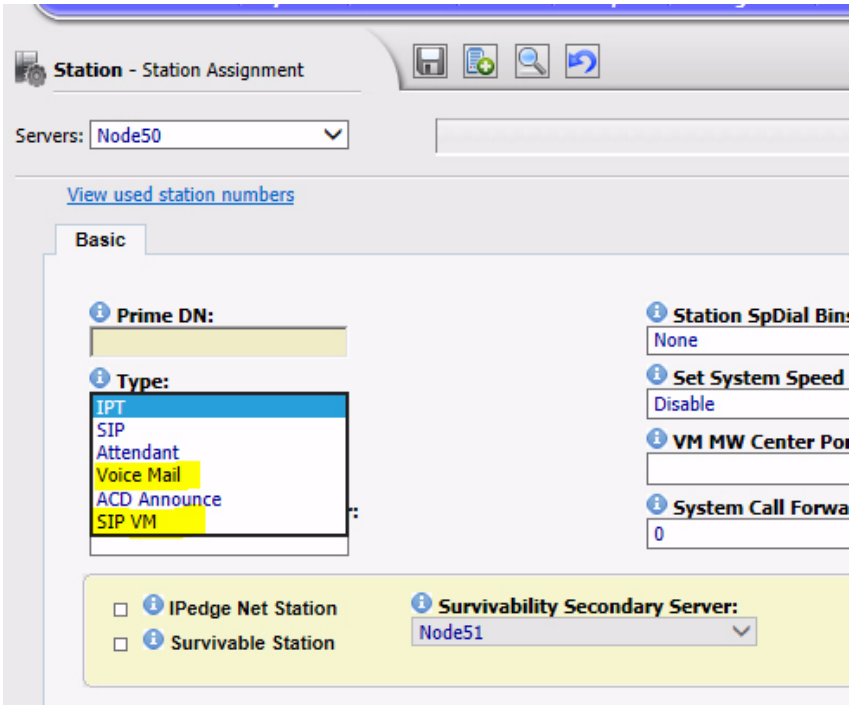
Initial Setup Automatic Pop-up in Application Server

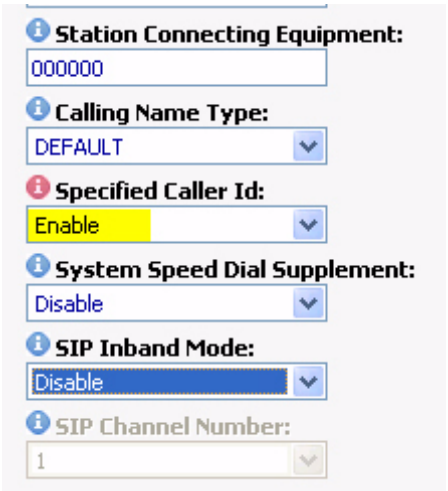
Enterprise Manager will parse the license container file to detect if the system is configured as an Application Server and if it is, then the Initial Setup wizard will not display automatically.

VM Port Creation

When a new Voice Mail DN or SIP VM is created in Enterprise Manager, Enterprise Manager will automatically enable the Specified Caller Id parameter.

When SIP VM ports are created in Enterprise Manager, they are automatically configured in Messaging.





Upload Email Address From CSV

IPedge and VIPedge will now allow you to upload the user name, DN, email address from a CSV file into the IPedge and VIPedge respectively. After this process is complete all the telephones are programmed with default buttons, Voice Mail is enabled, Unified Messaging is enabled and the system is ready for users. The DN import types are limited to IP telephones, SIP, and Attendant.

3-digit & 4-digit Model Database

Due to popular demand, there are now two versions of the model database: 3-digit and 4-digit model databases available for the IPedge EP/EC/EM.

Multiple DN Wizard System Call Forward Enhancement

Toshiba was made aware that after using the multiple DN wizards to create 2 DNs, calls to the second DN did not forward to VM. The technician had setup system call forward for all the required DNs. Technicians have requested that Enterprise Manager automatically set the system call forward setting to the second DN when using the multiple DN wizard. Starting with IPedge 1.6.1, Enterprise Manager will add a system call forward checking to the multiple DN wizard.

Messaging Default Values and Operations

In order for the easier setup, most of frequently used parameters that are not site-specific are pre-configured and Messaging assumes the default operations when some parameters are left blank. The table below shows the values and operations.

Table 1 Messaging Menus with Default Values

Menu	Item	Default Value	Comments
Registry > Parameters	Mobile App Port	90	
	NetServer Follow me Handoff Application	80	
	NetServer Address	127.0.0.1	
	NetServer User	GUM	
	NetServer User password	GUM	
	NetServer User Extension	Omitted	This field is not necessary
	TcpSmdiPort	1000	Matching port is automatically configured in IPedge Call Processing.
	NetServer Port	Blank	Messaging uses 8767 if the field is blank.
Registry > VoIP	Call Processing SIP Port	Blank	Messaging uses 5060 if the field is blank.
	Messaging SIP Port	5070	
	Specified Caller Number Access Code	#888	
	RTP base port	30000	

Table 1 Messaging Menus with Default Values (continued)

Menu	Item	Default Value	Comments
Registry > Security	Default Password	0000	If 0000 is specified, the Messaging will use extension number+997 as the password.
System > Parameters	Outbound Calls Prefix	9	
	Dial Second Line	9	
Site Parameters > Fax Settings	Outbound Calls Prefix	9	

Messaging Follow Me/IPMobility Improvements

In addition to easier administration, IPedge 1.6.1. includes many improvements in Messaging application as listed below:

- Simplified the call handling setup by providing Transfer Mode options for:
  - Ringing the deskphone
  - Do Not Disturb (DND)
  - Use advanced routing (Follow Me).
- Simplified operations by providing the same configuration settings from EMPA, IPMobility, or telephone. It includes the setting for Transfer Mode, Custom greeting change, etc.
- If Messaging application is used in the centralized voice mail environment, Net Server Monitor/Call Control option can support multiple nodes without the Unifier.
- Holiday table is enhanced to support date range.
- IPMobility Call Alert option (notification for incoming call) can be chosen regardless of the call handling option.
- An option is provided to use advanced routing (Follow Me) or voicemail greeting after IPMobility Call Alert times out.
- IPMobility Callthru call to an extension user who activates Follow Me can follow the advanced call handling option (it does not following the previous version).
- Administrator can configure to allow or disallow Callthru/Callback feature for IPMobility users through Class of Service.

System Requirements

Table 2 Software Application Releases

Application	Version	Date Released
TGZ	1.6.1.16	3/13/2014
GCP	1.6.104-1	1/20/2014
GeM	1.6.1-19	3/13/2014
GeM language pack	1.6.1-1 for TSD	2/13/2014
GMS	1.6.0-3	6/20/2013
GNS	0.1.0-5	6/21/2013
GNS language pack	1.5.0-1 for TSD	3/21/2013
GUM	10.6.1-16	2/12/2014
E911	1.2.1-3	6/18/2013
Webmin	1.491.17-7	1/6/2014
Bacula	5.0.2.22-3	8/8/2013
HMP	4.1.141-1	7/19/2013
GMMC	7.0.2d	1/14/2014
IPT	2.16.4-1 [or M2P4]	2/14/2014
GCM	8.0.6.3	1/14/2014

Part Numbers

There will be a new recovery DVD for IPedge 1.6.1

- I-RCVY-DVD-I