OVERVIEW	The IPedge program update process is controlled through Enterprise Manager. The software update can be performed using three different methods.
	 Online Update — IPedge systems running R1.5.1 and later can use the online update to download the needed file from a FTP server maintained by Toshiba. Connection to the Internet and permission to access and use an FTP server is required.
	 Remote Update — The update files are downloaded to the Administrator's PC or saved onto the Primary IPedge server in a multi-node system.
	 Local Update — The update files are loaded onto a USB flash drive. This process requires the administrator to plug the flash drive into the IPedge server.

Program Update	IPedge	Feature Description	IPedge Feature Desc. 8/21/13			
Program Update	The IPedge pr Manager. The methods.	ogram update process i software update can be	is controlled through Enterprise performed using three different			
Local Program Update	A Local Progr access to the I USB drive con the IPedge con Library. The pr connected to t	Tam Update is performe Pedge server. Local me nected to the IPedge se re software, the Linux op rogram update file can b he IPedge server.	ed while on site, with physical eans that the update files are on a erver. Program Update can update perating system and the Media be accessed from a USB drive			
	Note: The IPedge system must be running for at least 20 consecutive minutes before starting a program update process.					
Remote Program Update	A Remote Pro The update file on the adminis	ogram Update means thes are loaded on an IPeo stration PC.	ne administrator may not be on site. dge server in the network or loaded			
	Important!	Perform a manual dat IPedge > Backup an update. This backup f choose to roll back the the IPedge server.	abase backup using the Webmin > d Restore tool before the software ile will be used in the event you e update. Store the backup file off of			
Online Update	IPedge system update mecha will be availabl server each nig is found the sy Enterprise Mar	ns running R1.5.1 and la nism called Online Prog le on an FTP server. The ght for new software files rstem administrator will s nager is logged into.	ater software have a program ram Update. New software updates e IPedge server checks the FTP s. When a later version software file see a notice the next time			
	<u>A</u> <u>p</u>	lew version of softwar	<u>e is available for upgrade.</u>			
	Note: The IF allowe functio	Pedge system must have d FTP server access fo on.	e access to the internet and be r the Online Update feature to			
	The administra update.	ator can view the update	files and decide whether to run the			
	The IPedge so predefined dire manifest file is manifest file is release, releas	ftware in the form of an ectory on the IPedge se provided that describes in xml format and conta se version, RPM files an	RPM file can be uploaded to a rver. In addition to RPMs, a s the IPedge software release. This ains information about the software ad release date. In Enterprise			



Version check Enterprise Manager verifies the version when the administrator selects software upgrade. The system will allow an upgrade to be applied when the new version is the same or newer. A multi-node system Member server can only upgrade to a version that is the same or newer than the Primary server. A member server that does not have the 1.5.1-1 or later software will be displayed as 'unknown' until it has been upgraded.

License Checking The Online Program Update checks for a valid license before the user can select the server. If license failed on validation such as no license or maintenance license expired, the check box will be disabled.

A	dministration System	Station Trunk LCR/DR	IPedge Net Ma	intenance Application	Help
Maint	tenance - Program Update	Run Update >>			
New]	IPedge software released:				
	Software Version	Release Date	Re	lease Note	
7	1.5.1.104	2013-02-22	Sam	ple note for release 1.5.1.104,	Initial setup page, new program update and new system versioning
			-		ш
			[+] 5	how advanced update	
Select	t Target Server:				
	Server Name	IP Address	Mode	Current Version	Update Applicable
V	North Campus	192.168.254.251	Primary	1.5.1.104	× *
	South Campus	192.168.254.252	Member	1.5.1.104	🔺 🔪 License curi
			Total rec	ords found: 2	License expli
					Move cursor over the i
					for additional informati

Language Pack

The language pack is under advanced update section. The administrator must click on the option to expand it. The default is not expanded and all languages are not checked.

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The en_US (US english language pack) is checked and disabled just for display purpose. The English language pack is always the default. Enterprise Manager will compare the langPack version and always download the latest one regardless which software the user selected.

- Software list section List available version of software that is same or newer than local version.
- Release note display Display the text that is in the manifest xml file.
- Server list section List of master and member servers. It indicates license status and validates version compatibility.

Systems running R1.5.1 and later software will check the maintenance license prior to starting a program update.

All results will be logged into a history file in xml format on the IPedge server. A report viewer can display detail status of each rpm.

Online Update Page Content Online program update supports multiple nodes. Multiple servers can be upgrading in parallel with the same version of selected software.

Each server in a multi-node system will download its own rpm files and will handle its own update. The Primary server will be in a waiting state while the member servers are updating. The Primary server will start its own update when all of the selected members have finished the updates.

New I	New IPedge software released:								
	Software Version	Release Date	Release Note						
	1.5.1.206	2012-08-25	Release Note For 1						
•	1.5.1.207	2012-10-28		No. 1					
[+1 Show advanced undate									
Select	elect Target Server:								
	Server Name	IP Address Mode	Current Version	Update Applicable					
	North Campus	192.168.254.251 Primary	1.5.1.09	¥					
	South Campus	192.168.254.253 Member	1.5.1.201	A					
	Total records found: 2 The current software version is same or newer than selected version.								

Update Result: The process status will display the update process; starting, downloading, updating, and update complete.

	Program update is con	on.					
Program Update Process Status: Updating to version 1.3.1.99							
Server Name	IP Address	Mode	Current Version	ProcessStatus			
North Campus	192.168.254.251	Primary	1.5.1.09	<u>A</u>	Update Failed		
West Campus	192.168.254.252	Member	1.5.1.201	<u>A</u>	Update Failed		
Warehouse	192.168.254.253	Member	1.5.1.207	¥	Successfully Completed		
			Total records for	ound: 3			

- The log files reside in each server.
- Each update job creates one log file. The administrator selects the server and log file to see the summary.

ENHANCED ONLINE UPGRADE

IPedge systems running R1.6 and later software have an enhanced Online Program Update process. The added enhancements are:

- Re-try while downloading files from the Toshiba FTP site
- Download files and 'Wait to upgrade'
- 'Cancel' download or check download status later

Program Update	IPedge	e Feature Description	IPedge Feature Desc. 8/21/13				
PROGRAM UPDATE	The IPedge program update process is controlled through Enterprise Manager. The software update can be performed using three different methods.						
	Online U the online maintaine access a	pdate — IPedge systems e update to download the ed by Toshiba. Connection nd use an FTP server is r	running R1.5.1 and later can use needed file from a FTP server to the Internet and permission to equired.				
	 Remote Update — The update files are downloaded to the Administrator's PC or saved onto the Primary IPedge server in a multi-node system. 						
	Local Up This proc IPedge s	date — The update files ess requires the administ erver.	are loaded onto a USB flash drive. rator to plug the flash drive into the				
	CAUTION! T c p	The IPedge system must consecutive minutes bef process.	be running for at least 20 ore starting a program update				
PROGRAM UPDATE PROCEDURE	A Local Prog access to the USB drive co the IPedge co Library. The p connected to	Tram Update is performed IPedge server. Local me nnected to the IPedge se pre software, the Linux op program update file can be the IPedge server.	d while on site, with physical ans that the update files are on a rver. Program Update can update perating system and the Media e accessed from a USB drive				
	Note: The I minu	Pedge system must be ru tes before starting a prog	Inning for at least 20 consecutive ram update process.				
	A Remote Pr The update fi on the admin	ogram Update means th les are loaded on an IPed istration PC.	e administrator may not be on site. Ige server in the network or loaded				
	Important!	Perform a manual data IPedge > Backup and update. This backup fi choose to roll back the the IPedge server.	abase backup using the Webmin > I Restore tool before the software le will be used in the event you update. Store the backup file off of				
ONLINE UPDATE	IPedge syste update mech will be availal server each r	ms running R1.5.1 and la anism called Online Progr ble on an FTP server. The ight for new software files	ter software have a program am Update. New software updates Pedge server checks the FTP When a later version software file				

is found the system administrator will see a notice the next time Enterprise Manager is logged into.

A New version of software is available for upgrade.

Note: The IPedge system must have access to the internet and be allowed FTP server access for the Online Update feature to function.

The administrator can view the update files and decide whether to run the update.

The IPedge software in the form of an RPM file can be uploaded to a predefined directory on the IPedge server. In addition to RPMs, a manifest file is provided that describes the IPedge software release. This manifest file is in xml format and contains information about the software release, release version, RPM files and release date. In Enterprise Manager select Maintenance > System Maintenance > Program Update.

A	ministration System Station Trunk LCR/DR IPedge Net Maintenance	A
🛛 Mair	itenance - Program Update	
What	do you want to do?	
	Upgrade IPedge use Online Program Update	
	Manage the update process with Enterprise Manager Connect to Toshiba's FTP site Automatically detect new version availability Download only the necessary files Update multiple systems at once	
	Upgrade IPedge use Offline Program Update	
	 Perform step-by-step update under administrator supervision Download update files from fyi.toshiba.com Offine Update Method: Locally via a USB drive Remotely using a web browser Use another IPedge server to update a member server 	

Version check Enterprise Manager verifies the version when the administrator selects software upgrade. The system will allow an upgrade to be applied when the new version is the same or newer. A multi-node system Member server can only upgrade to a version that is the same or newer than the Primary server. A member server that does not have the 1.5.1-1 or later software will be displayed as 'unknown' until it has been upgraded.

License Checking

The Online Program Update checks for a valid license before the user can select the server. If license failed on validation such as no license or maintenance license expired, the check box will be disabled.

A	dministration System	Station Trunk LCR/DR	IPedge Net M	aintenance Application	Help	
Maint	tenance - Program Update	Run Update >>				
New I	IPedge software released:					
	Software Version	Release Date	Re	lease Note		
7	1.5.1.104	2013-02-22	Sam	ple note for release 1.5.1.104,	Initial setup page, new program	update and new system versioning
			-		m	
			[+]	Show advanced update		
Select	t Target Server:					
	Server Name	IP Address	Mode	Current Version	Updat	e Applicable
V	North Campus	192.168.254.251	Primary	1.5.1.104	¥	*
	South Campus	192.168.254.252	Member	1.5.1.104	A	License current
			Total re-	cords found: 2		License expired
					Move	e cursor over the icor
					for a	dditional information.

Language Pack The language pack is under advanced update section. The administrator must click on the option to expand it. The default is not expanded and all languages are not checked.

The en_US (US english language pack) is checked and disabled just for display purpose. The English language pack is always the default. Enterprise Manager will compare the langPack version and always download the latest one regardless which software the user selected.

- Software list section List available version of software that is same or newer than local version.
- Release note display Display the text that is in the manifest xml file.
- Server list section List of master and member servers. It indicates license status and validates version compatibility.

Systems running R1.5.1 and later software will check the maintenance license prior to starting a program update.

All results will be logged into a history file in xml format on the IPedge server. A report viewer can display detail status of each rpm.

Online Update Page Content Online program update supports multiple nodes. Multiple servers can be upgrading in parallel with the same version of selected software.

Each server in a multi-node system will download its own rpm files and will handle its own update. The Primary server will be in a waiting state

while the member servers are updating. The Primary server will start its own update when all of the selected members have finished the updates.

New 1	New IPedge software released:								
	Software Version	Release Date	R	elease Note					
	1.5.1.206	2012-08-25	Re	lease Note For 1	A				
	1.5.1.207	2012-10-28							
	[+1 Show advanced undate								
	[+] <u>Show advanced update</u> Select Target Server:								
Selec	: Target Server:		[+.	Show advanced opdate					
Selec	: Target Server: Server Name	IP Address	Mode	Current Version	Update Applicable				
Selec	t Target Server: Server Name North Campus	IP Address 192.168.254.251	Mode Primary	Current Version 1.5.1.09	Update Applicable				
Select	t Target Server: Server Name North Campus South Campus	IP Address 192.168.254.251 192.168.254.253	Mode Primary Member	Current Version 1.5.1.09 1.5.1.201	Update Applicable				

Update Result: The process status will display the update process; starting, downloading, updating, and update complete.

	Program update is com	oleted. See Program U	odate History report for detail information					
Program Update Process Status: Updating to version 1.3.1.99								
Server Name	IP Address	Mode	Current Version	ProcessStatus				
North Campus	192.168.254.251	Primary	1.5.1.09	A	Update Failed			
West Campus	192.168.254.252	Member	1.5.1.201	A	Update Failed			
Warehouse	192.168.254.253	Member	1.5.1.207	¥	Successfully Completed			
			Total records fou	nd: 3				

- The log files reside in each server.
- Each update job creates one log file. The administrator selects the server and log file to see the summary.

ENHANCED ONLINE UPGRADE	IPedge Online • Re • Do	systems running R1.6 and later software have an enhanced Program Update process. The added enhancements are: -try while downloading files from the Toshiba FTP site wnload files and 'Wait to upgrade'
	• 'Ca	ncel' download or check download status later
Download Retries	If an er will wai The file continu	ror occurs during the upgrade files download the IPedge system t 30 seconds after the transfer failure then try the download again. s successfully loaded will not need to be reloaded. The retry will the until it completes or it is canceled by the user.
	lf the do downlo	ownload is taking longer than anticipated the user can cancel the ad or check the progress of the update later.
	The tec downlo user to	chnician can select the update to begin immediately after the ad is finished or wait for a manual start command. This allows the do a download only then, run update when user is ready.
	Note:	When the update process is complete the IPedge server will reboot.

Cancel Upgrade Button When the user starts an upgrade the **Cancel Current Job** button is visible. On a multiple server update, the cancel applies to all servers.

- This cancel button stops current running tasks.
- If server is downloading upgrade files the task is stopped immediately. All files already downloaded will be cached in the IPedge server. When the download is run again only the remaining files will be processed.
- If server is processing the call processing data back-up, the task will continue until the backup cycle is finished.
- The Cancel button cannot stop an upgrade on a server that is in the upgrading state. The server that is in upgrading state will continue its update process.

TOSHIBA			Admin Admi		Apr 26 2013, 02:43 PM	1.5.1.104 Logout	
Administratio	on System Sta	tion Trun	k LCR/DR IPedge Net	Maintenance Applicatio	n Help		
Maintenance - P	rogram Update	Cancel Ci	urrent Job				
	[
Program Update Pr	rocess Status:				Updating to version 1.5	5.1.104	
Server Name	IP Address	Mode	Current Version		Process Status		Apply
IPedge	159.119.140.105	Primary	1.5.1.104	Collecting information	•••		
ironman	159.119.141.174	Member	1.5.2.1				
				Total records foun	1: 2		

Figure 1 Program Upgrade Screen

Wait to Upgrade The online program update provides an option to apply the update immediately after download or wait for customer action. The default action is download software and wait to upgrade. The user can download the upgrade files and be able to run upgrade at a later time. The user check marks the Apply box to have the upgrade start immediately after the file download.

Administration	System Station Trunk	LCR/DR IPe	edge Net Maintenance App	lication Help		
Maintenance - Progra	am Update Cancel All I	Download	Apply Change			
Program Update Proce	ss Status:			Updating to version	on 1.5.2.1	\frown
Server Name	IP Address	Mode	Current Version	Process Status		Apply 🗆 🔪
IPedge	159.119.141.146	Primary	1.5.2.1	Starting	888	
Ironman	159.119.141.174	Member	1.5.1.104	Downloading	12 of 22 files downloaded Estimated remaining download time: 0:38	
			Total records four	nd: 2		

Figure 2 Download Then Upgrade

Once started, the upgrade files will continue downloading even if user is not logged into Enterprise Manager.

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The option to 'Apply immediately' or 'Wait' can be changed while the file update is starting, downloading and in the waiting state.

Once a server starts upgrading the software it will continue its update process. At this point the Cancel button will be disabled.

The **Apply All** button will cause all of the servers in a multi-node system to update.

If the user choice is download and wait, there will be two reports generated for this update. One report for the download status and one for the update status.

Administration	System Station Trunk	LCR/DR IPe	lge Net 🔰 Maintenance 👘	Application Help		
Maintenance - Program	n Update Apply All					
Program Update Proces	s Status:			Updating to v	ersion 1.5.2.1	\frown
Server Name	IP Address	Mode	Current Version	Process Status		Apply
IPedge	159.119.141.146	Primary	1.5.2.1	Downloaded	1 of 1 files downloaded	Apply Now
Ironman	159.119.141.174	Member	1.5.1.104	Downloaded	22 of 22 files downloaded	Apply Now
			Total records	found: 2		

Figure 3 Apply Upgrade

ONLINE UPDATE PROCEDURE	The sys and	The following procedures detail some of the upgrade files download a system upgrade processes available on IPedge systems running R1. and later software.		
Download Then Apply	1.	Login to Enterprise Manager.		
Update Later	2.	Navigate to Maintenance > System Maintenance > Program Update.		
	3.	Select Online Program Update.		
	4.	Select software version.		
	5.	Select target server(s).		
	6.	Click on Run. The server will download the upgrade files.		
	7.	The user may log out or navigate to other page.		
	8.	When ready to start the upgrade, Navigate to Maintenance > System Maintenance > Program Update.		
	9.	The server upgrade status will be displayed. Refer to Figure 3.		
	10.	Uncheck the Apply check-box before the download is finished for the system to wait after loading the update files.		
	No	tes:		
		A. The online update feature will only download the required update files.		
		B. If the download fails Enterprise Manager will retry the download until is successful or the administrator cancels the download.		

		C. When upgrading multiple servers the data connection is shared by all of the servers.
		D. The time required to download the upgrade files and complete the upgrade process varies by server type and the size of the update file(s).
		E. In locations with low bandwidth it may be more efficient to upgrade one server at a time.
Download and Apply Immediately	Th imi	s procedure is used to download updates and apply the updates nediately.
	1.	Login to Enterprise Manager.
	2.	Navigate to Maintenance > System Maintenance > Program Update.
	3.	Select Online Program Update.
	4.	Select software version.
	5.	Select target server(s).
	6.	Click on Run . The server will download the upgrade files.
	7.	Click to check-mark the Apply box next to each server.
	8.	When the server has finished the file download the upgrade will begin.
Change To Apply Immediately	Th up so	e default update condition is download files then wait for a manual grade start. This procedure changes the system to start the upgrade as on as the download is complete.
	1.	Login to Enterprise Manager.
	2.	Navigate to Maintenance > System Maintenance > Program Update.
	3.	Select Online Program Update.
	4.	Select software version.
	5.	Select target server(s).
	6.	Click on Run . The server will download the upgrade files.
	7.	The Apply check-boxes will be displayed.

Administration	System Station Hunk	LCK/DK IFE	ugenet maintenance App	plication neip		
Maintenance - Progra	am Update Cancel All	Download /	Apply Change			
Program Update Proce	ss Status:			Updating to ver	sion 1.5.2.1	
Server Name	IP Address	Mode	Current Version	Process Status		Apply 🗆
Headquarters	159.119.119.119	Primary	1.5.2.1	Starting		
Second Site	159.141.141.141	Member	1.5.1.104	Downloading	12 of 22 files downloaded Estimated remaining download time: 0:38	¥
			Total records fou	ind: 2		

8. Click to check-mark the **Apply** box.

Program Update		IPedge Feature Description	IPedge Feature Desc. 8/21/13
	9.	The update will begin as soon as	the download is complete.
	No	te: If the Apply check-box is un-c system will wait until you click update starts it cannot be car	checked before the update starts the on the Apply Now button. Once the nceled.
	10.	Click to check-mark the Apply bo	x.
Change To Wait	Thi the	s procedure changes the system find download is complete' to download	rom 'start the upgrade as soon as ad and wait.
	1.	Login to Enterprise Manager.	
	2.	Navigate to Maintenance > Syst Update .	em Maintenance > Program
	3.	Select Online Program Update.	
	4.	Select software version.	
	5.	Select target server(s).	
	6.	Click on Run. The server will dow	nload the upgrade files.
	7.	Click the Apply check box. This supgrade as soon as the file down	step set the system to start the load is complete.
	8.	Commit changes.	
	9.	Uncheck the Apply check-box be system to wait after loading the up button or the Apply All button sta	fore the download is finished for the pdate files. Click on the Apply Now art the update.
	10.	Commit changes.	
Cancel Update	Ste car tha Wh dov	ps 1 through 5 start the update file be canceled anytime before it is o t were downloaded before the Can en the update is attempted later th wnloaded again.	e download process. The download complete, step 7. Any update files neel was clicked will be retained. nese files will not need to be
	1.	Login to Enterprise Manager.	
	2.	Navigate to Maintenance > Syst Update .	em Maintenance > Program
	3.	Select Online Program Update.	
	4.	Select software version.	
	5.	Select target server(s).	
	6.	Click on Run. The server will dow	nload the upgrade files.
	7.	Anytime before the software upgr Download .	ade starts click on Cancel All
	8.	Click on Yes to confirm.	

9. The server upgrade will abort. Note: If the server is in the update state, the update job will continue.

Remove One Sever From Upgrade	Whe mor rem the	en an upgrade on a multi-node system has been started, one, or e, of the nodes can be removed from the upgrade. When a server is oved from the update process all of the downloads are canceled then, update is started with the appropriate servers selected.
	1.	Login to Enterprise Manager.
	2.	Navigate to Maintenance > System Maintenance > Program Update.
	3.	Select Online Program Update.
	4.	Select software version.
	5.	Select target server(s). For example; A, B and C.
	6.	Click on Run . The servers will download the upgrade files. For example: A=5/10, B=6/10 and C=1/10.
	7.	Click on Cancel All Download.
	8.	Click on Yes to confirm.
	9.	Downloads for all servers are canceled.
	10.	Select software version
	11.	Select target server(s). For example; A and B.
	12.	Click on Run . The servers will download the upgrade files. For example: A=6/10, B=7/10.
Add A Server to the Update	To a ther	add a server to the update process all of the downloads are canceled n, the update is started with the appropriate servers selected.
Add A Server to the Update	To a ther 1.	add a server to the update process all of the downloads are canceled a, the update is started with the appropriate servers selected. Login to Enterprise Manager.
Add A Server to the Update	To a ther 1. 2.	add a server to the update process all of the downloads are canceled a, the update is started with the appropriate servers selected. Login to Enterprise Manager. Navigate to Maintenance > System Maintenance > Program Update.
Add A Server to the Update	To a ther 1. 2. 3.	add a server to the update process all of the downloads are canceled a, the update is started with the appropriate servers selected. Login to Enterprise Manager. Navigate to Maintenance > System Maintenance > Program Update. Select Online Program Update.
Add A Server to the Update	To a ther 1. 2. 3. 4.	add a server to the update process all of the downloads are canceled a, the update is started with the appropriate servers selected. Login to Enterprise Manager. Navigate to Maintenance > System Maintenance > Program Update. Select Online Program Update. Select software version.
Add A Server to the Update	To a ther 1. 2. 3. 4. 5.	add a server to the update process all of the downloads are canceled a, the update is started with the appropriate servers selected. Login to Enterprise Manager. Navigate to Maintenance > System Maintenance > Program Update. Select Online Program Update. Select software version. Select target server(s). For example; A and B.
Add A Server to the Update	To a ther 1. 2. 3. 4. 5. 6.	add a server to the update process all of the downloads are canceled a, the update is started with the appropriate servers selected. Login to Enterprise Manager. Navigate to Maintenance > System Maintenance > Program Update. Select Online Program Update. Select software version. Select target server(s). For example; A and B. Click on Run. The servers will download the upgrade files. For example: A=5/10 and B=6/10.
Add A Server to the Update	To a ther 1. 2. 3. 4. 5. 6. 7.	add a server to the update process all of the downloads are canceled h, the update is started with the appropriate servers selected. Login to Enterprise Manager. Navigate to Maintenance > System Maintenance > Program Update. Select Online Program Update. Select software version. Select target server(s). For example; A and B. Click on Run. The servers will download the upgrade files. For example: A=5/10 and B=6/10. Click on Cancel All Download.
Add A Server to the Update	To a ther 1. 2. 3. 4. 5. 6. 7. 8.	add a server to the update process all of the downloads are canceled a, the update is started with the appropriate servers selected. Login to Enterprise Manager. Navigate to Maintenance > System Maintenance > Program Update. Select Online Program Update. Select software version. Select target server(s). For example; A and B. Click on Run. The servers will download the upgrade files. For example: A=5/10 and B=6/10. Click on Cancel All Download. Click on Yes to confirm.
Add A Server to the Update	To a ther 1. 2. 3. 4. 5. 6. 7. 8. 9.	 add a server to the update process all of the downloads are canceled in, the update is started with the appropriate servers selected. Login to Enterprise Manager. Navigate to Maintenance > System Maintenance > Program Update. Select Online Program Update. Select software version. Select target server(s). For example; A and B. Click on Run. The servers will download the upgrade files. For example: A=5/10 and B=6/10. Click on Cancel All Download. Click on Yes to confirm. Downloads for all servers are aborted.
Add A Server to the Update	To a ther 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.	add a server to the update process all of the downloads are canceled h, the update is started with the appropriate servers selected. Login to Enterprise Manager. Navigate to Maintenance > System Maintenance > Program Update. Select Online Program Update. Select software version. Select target server(s). For example; A and B. Click on Run. The servers will download the upgrade files. For example: A=5/10 and B=6/10. Click on Cancel All Download. Click on Yes to confirm. Downloads for all servers are aborted. Select software version
Add A Server to the Update	To a ther 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	add a server to the update process all of the downloads are canceled h, the update is started with the appropriate servers selected. Login to Enterprise Manager. Navigate to Maintenance > System Maintenance > Program Update. Select Online Program Update. Select software version. Select target server(s). For example; A and B. Click on Run. The servers will download the upgrade files. For example: A=5/10 and B=6/10. Click on Cancel All Download. Click on Yes to confirm. Downloads for all servers are aborted. Select software version Select target server(s). For example; A, B and C.
Add A Server to the Update	To a ther 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.	 add a server to the update process all of the downloads are canceled in, the update is started with the appropriate servers selected. Login to Enterprise Manager. Navigate to Maintenance > System Maintenance > Program Update. Select Online Program Update. Select software version. Select target server(s). For example; A and B. Click on Run. The servers will download the upgrade files. For example: A=5/10 and B=6/10. Click on Yes to confirm. Downloads for all servers are aborted. Select software version Select target server(s). For example; A, B and C. Click on Run. The servers will download the upgrade files. For example: A=6/10, B=7/10, and C starts from 0/10.

13. The update results will be displayed.

Wed Mar 13 16:07:35 PDT 2013	Select the	server	
	Click on the da	te and time to display deta	ails
esult Summary (Click for individual rp	m result)		
Jpdate Type: Online	System Old Version: 1.5.1.105	System Updated Version: 1.5.1.106	
Ipdate result:	true	Successfully Completed	
otal number of files to download: 7	Successful: 7	Failed: 0	
fotal number of files to update: 5	Successful: 5	Failed: 0	
ownloaded RPM List		Result	
3eM-1.5.1-6.I386.rpm		true	
pedge-langpack-en_US-packages-1.1.1.305	i-1.noarch.rpm	true	
pedge-components-packages-1.5.1.108-1.n	oarch.rpm	true	
pedge-gum-10.5.4-24.i386.rpm		true	
gs-libigsipc-1.5.17-1.i388.rpm		true	
pedge-media-libraries-packages-1.5.1.106-1	I.noarch.rpm	true	
pedge-ipt-firmware-packages-1.5.1.106-1.n	oarch.rpm	true	

Notes:

•	The update file download can be canceled anytime. All files that
	had finished loading will be retained. On the next file download
	those files will not download again.

The server update process can not be stopped once it has started.

OFFLINE UPDATE PROCEDURE	The offline upd the IPedge ser	ate uses files loaded on a USB flash drive or onto one of vers in the same network as the server being updated.	
LOCAL UPDATE	The local update process requires the system administrator to load the update files to a prepared USB flash drive and be present on site durin the update process. In Enterprise Manager select Maintenance > Program Update then check-mark Upgrade IPedge use Offline Program Upgrade.		
USB Drive Requirements	The following a Program Upda	re the USB drive requirements for successful IPedge te:	
	The USB d market con Linux comp	Irive must be Linux mountable. Some USB drives on the Itain an auto_start feature or custom driver which is not patible.	
	• The USB d	rive recommended capacity is 4G Byte or more	
	Supported	file format FAT, FAT32 ISO9660	
	 The update programs a 	e folder must be created in the USB then, the update are written into this folder.	
	Important!	The update files must be loaded into a folder named update on the root directory of the USB drive.	

Update File Source	Update files Toshiba TSE format.	can be downloaded from the Toshiba FYI web site or the Technical Support web site. The update files are TGZ		
	Important!	Before starting this procedure use a PC to perform a virus test on the USB flash drive.		
	1. Downloa your PC	ad the compressed update file from a Toshiba web site to		
	2. Create a	folder named update on the root of the USB drive.		
	 Copy the compres 	e files to the update folder on a USB drive. Do not extract (uns) the files.		
	The update f	ile can then be loaded onto:		
	The IPee	lge server (update target server) or		
	Another	IPedge server		
Update Procedure	1. In Enterp > Progr a	orise Manager select Maintenance > System Maintenance am Update.		
	2. In the Se will upda	elect Target Server screen click to check-mark the server you ate then click on the Next button.		
	Select th	ne update mode.		
	•	Local Update - The update file is in the update folder on a USB drive connected to the IPedge server. Go to Step 3.		
	•	Remote Update - The update file is on the PC used to connect to the IPedge server. Refer to "REMOTE UPDATE PROCEDURE" on page -17.		

3. When Local Update is selected, select USB in the Update Device menu.

4. Check-mark the boxes with the same names as the tgz files downloaded from the FYI web site.

IPedge System Software	Select Program Update Mode for: © Local Update © Remote Update
Version 1.5.1 IPedge Call Processing (GCP 1.5.17-1) (TGZ 1.5.1.107) For proper operation, all three components below must be installed. ▶ ipedge-components-1.5.1.107.tgz (04/16/13)	🔁 Update Device: USB 💽
ipedge-media-libraries-1.5.1.107.tgz (04/16/13)	Package Name
ipedge-ipt-firmware-1.5.1.107.tgz (04/16/13)	ipedge-linux-programs
	Latest
	ipedge-components
\sim	Latest
	ipedge-media-libraries
$\langle -$	Latest
	ipedge-ipt-firmware
	Latest
	ipedge-langpack
	Latest

 If the update files are already extracted click on the Skip button to skip the extract process and start the file update process.
 — OR —

Select the files to be used then, click on the **Extract** button. The extract button will extract the compressed file and copy it to the target IPedge server.

- **Note:** The file will only extract if it is newer than file already on the server.
- 6. When the file extraction is complete the **Run update** button will appear. Click to run the update then, go to <u>Step 8</u>. If the update file is not a newer file than what is already on the IPedge server the Run update button will not appear.
- 7. Select the IPedge server that has the extracted update files available.
- **Note:** If the target server is already running the same software version of the download, Enterprise Manager will advise that no update is necessary and the Run update button will not appear.
- 8. Some updates will cause a system restart. If this occurs Enterprise Manager will logout. If the server does not restart the update complete screen will be displayed.
- **Important!** Remove the USB device and ensure that there is no DVD in the server before the reboot.
- 9. Login to Enterprise Manager.
- 10. Synchronize the database.

REMOTE UPDATE PROCEDURE

A Remote Program Update can preformed from anywhere. Remote means that the update files are loaded on an IPedge server in the network or on the PC used to access Enterprise Manager. Program

Update can update the IPedge core software, the Linux operating system and the Media Library. The program update file can be accessed from a USB drive connected to the IPedge server.

Important! Perform a manual database backup using the Webmin > IPedge > Backup and Restore tool before the software update. This backup file will be used in the event you choose to roll back the update.

- In Enterprise Manager select Maintenance > System Maintenance > Program Update.
- 2. In the Select Target Server screen click to check-mark the server you will update then click on the **Next** button then, select **Remote Update** mode.
- Select the IPedge server that has the extracted update files available. Check-mark From other IPedge server then, select the server from the pull-down list. Go to Step 5.
 OR -

From the Primary IPedge server only; Check-mark **From Client computer** then, **Click to upload files**. Click to **Browse** to the update file.

- 4. Click to Extract the file(s) then go to Step 7.
- 5. Click on the **Download File** button.
- 6. When the file download is complete the **Run update** button will appear.
- 7. Click on the **Run update** button to start the update process.
- **Note:** If the target server already has updates Enterprise Manager will advise that no update is necessary and the Run update button will not appear.
- Updates will cause a system restart. If this occurs Enterprise Manager will logout. If the server does not restart the update complete screen will be displayed.
- 9. Login to Enterprise Manager.
- 10. Synchronize the database.

SYSTEM REBOOT Some program update procedures require that the System Administrator reboot the system.

Important! Remove any USB device from the server before the reboot.

- 1. Select Maintenance > System Maintenance > Core System Processes.
- 2. Select the target server from the pull-down list.
- 3. Click on the **Reboot system** icon.

PROGRAMMING

Refer to the Operation section.

Program Update	IPedge	Feature Description	IPedge Feature Desc. 9/19/13	
CAPACITY	Not applicable			
AVAILABILITY	Applies to IPed The VIPedge s intervention.	dge systems only. Refer to t system is updated automation	he Restrictions section below. cally and requires no user	
RESTRICTIONS	IPedge system directly to R1.5	ems running on R1.1.2 and earlier systems cannot update 1.5 software.		
	Upgrading sys the system fro	Upgrading systems running R1.1.2 and earlier software involves restoring the system from the R1.5 Recovery disk.		
	IPedge system running R1.2 an R1.3 software are updated to R1.5 using this files downloaded from the Toshiba FYI web site.			
	Important!	The Public Numbering Pla procedure. Determine and this location before startin	an will be deleted during this d record the numbering plan for Ig.	
	IPedge systems running R1.5.1 and later software can use the Online Update process.			
	IPedge systems must be running R1.5.1, TGZ 107 software to update to R1.6 software. Refer to the IPedge Install manual for detailed instructions			

on updating

HARDWARE

No additional hardware is necessary for this feature.

FEATURE INTERACTION Not applicable