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VEGA B2B Image Installation GUIDE

Scope of Document

This document will guide and provide step by step information regarding how to install VEGA B2B image.

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Prerequisite

There are few pre-requisites that needs to be satisfied before proceed with VEGA B2B installation.

- 1. B2B supported VEGA Firmware Upgrade.
- 2. VEGA B2B License.

B2B supported VEGA Firmware Upgrade

Update Vega to latest Vega firmware that supports B2B functionality. Please refer to **Firmware Update** to find detailed information regarding how to update VEGA Firmware and download latest firmware details.

VEGA B2B License

Check if the VEGA is already licensed for B2B Feature or not. To check the same, Goto **Status** and then click on **Show License Information** as present within **System** Tab (**Status -> System -> Show License Information**) as present on VEGA GUI.

This will provide VEGA license respective information like Codec enable, number of channels/calls support, Feature enable/Disable as shown below:



The above image shows whether VEGA system is licensed for **B2B**.



VEGA B2B Installation

Before starting installation of VEGA B2B there are few important importation regarding VEGA B2B image.

(i) Important B2B Information

- Installing VEGA B2B image will overwrites the 2nd flash partition. One partition will have Vega firmware and another partition will have B2B image.
- VEGA Firmware upgrade will overwrite the 2nd flash partition where B2B image is installed. It is recommended to upgrade B2B image on after every Vega firmware upgrade.
- Rebooting VEGA after B2B image upgrade will take around ~2-5 minutes.

Please find the below step by step procedure to install **VEGA B2B image**:

Update B2B supported Vega Firmware

Refer to Update VEGA Firmware.

B2B License

Refer to Check VEGA B2B License.

Enable B2B mode

By default, even if Vega has B2B license and B2B supported firmware, it will behave like normal Vega gateway.

We need to enable B2B mode to start using B2B functionality.



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Quick Config -> Basic Config -> General -> Enable B2B

🍕 localhost Vega H	igh Den 🗙 🔽				
- > C 🛈 No	ot secure 192.168.3.189/vsframe	?sid=-1560466939&frame_id	=129		☆ 😸 🚺
	Vega High Den Configuration	sity FXS GW			Host Name localhost IP Address 192.168.3 IP Address 192.168.1 User Name admin
atus ick Config	Basic Config	D FXS	upmil 🗌 New Insta	all? Exit	0
pert Config arnings(6)	General Country UK Version	UK T	Timezone Offset 0 (HHMM)	000	
aboot System	Enable B2B Mumbers	999,112,911,000	Hostname Ic	ocalhost	
	LAN 1 Configuration				
	Interface		Physical		-
	Cobtain IP Settings automati	cally Using DHCP	Speeu	Auto	
	IP Address	192.168.3.169	Dublex	ruii •	
	Subnet Mask	255.255.255.0	QoS		
	Gateway	192.168.3.1	TOS/Diffser	rve 0	
	Preferred DNS Server	0.0.0.0	802.1pQ		
	Alternate DNS Server	0.0.0	VLAN ID	0	
	NTP Time Server	uk.pool.ntp.org	Priority	0	
	NTP Time Server	uk.pool.ntp.org	Priority	0	

Enabling B2B mode will move vega to **VEGA B2B default settings**, therefore a proper alert message will appear on to VEGA GUI to allow user to download current VEGA configuration if required, as soon as user press submit as show below:

🖌 < Iocalhost Vega Hig	h Den 🗙 🔽				
	secure 192.168.3.189/vsfram	e?sid=-1560466939&frame_	id=129		☆ 😸 🖸 🗄
	Vega High Configurat	2.168.3.189 says: bling 828 functionality would ap you want to back-up your curren	oly b2b default settings. t configuration? OK Cancel	×	Host Name localhost IP Address 192.168.3.180 IP Address 192.168.168. User Name admin
itatus	Basic Config	.		0	
uick Config					
Warnings(6) Log off Reboot System	Country UK Version Enable B2B I Emerge Number	UK • s 999,112,911,000	Timezone Offset (HHMM) Hostname localhost		
	LAN 1 Configuration		Dhysical		
	Obtain IP Settings automat	tically Using DHCP	Speed Auto	T	
	IP Address	192.168.3.189	Duplex Full •		
	Subnet Mask	255.255.255.0	0.05		
	Gateway	192.168.3.1	TOS/Diffserve 0		
	Preferred DNS Server	0.0.0	802.1pQ		
	Alternate DNS Server	0.0.0.0	VLAN ID 0		
	NTP Time Server	uk.pool.ntp.org	Priority 0		
	Login Password New Password	Re-En	ter Password		



Now **press Ok** to apply and save settings as shown below:

	gh Den 🗙 🔄 t secure 192.168.3.189/vsframe	?sid=-1560466939&frame	id=129		☆ 🗃 🖸 🗄
Status	Vega High Configurat	168.3.189 says: and Apply Settings	OK	Cancel	Host Name localhost IP Address 192 168 3 189 IP Address 192 168 168 2 User Name admin
Quick Config					
Expert Config	General				0
Warnings(6)	Country UK Version	UK V	Timezone Offset (HHMM)	0000	
Reboot System	Enable Emergen B2B Numbers	cy 999,112,911,000	Hostname	localhost	
	AN 4 Configuration			-0	
	Interface		Physica	1	
	Obtain IP Settings automatic	ally Using DHCP	Speed	Auto 🔻	
	IP Address	192.168.3.189	Duplex	Full v	
	Subnet Mask	255.255.255.0	0.5		
	Gateway	192.168.3.1	QOS TOS/Dif	fserve 0	
	Preferred DNS Server	0.0.0.0	802 1pC		
	Alternate DNS Server	0.0.0.0	VLAN IE	0	
	NTP Time Server	uk.pool.ntp.org	Priority	0	
				1	
	Login Password		_	_	
	New Password	Re-Er	ter Password		

Once **B2B Enable config** is updated, proper intimation is provided on to VEGA GUI as shown below:





Once **B2B mode** is successfully **enable B2B section** consisting of B2B related configuration appears on to VEGA GUI within the Quick Config Section as shown below:

						Host Name localbost
1898	Vega Hi	igh Density F)	(S GW			IP Address 192.168.3.
	Configu	ration				IP Address 192.168.16
	ooningu	nauon				User Name admin
tus ck Config	Basic Co	onfig ⑦ <u>B2B</u> F;	XS Submit	t 🗌 New Install? Exit	0	
tus ck Config ert Config	Basic Co Remote Se Domain	rver Configuration 192.168.3.189	XS Submi	t New Install? Exit	0	(
us ck Config ert Config mings(7)	Basic Co Remote Ser Domain Address	BOD BOD F rver Configuration 192.168.3.189 192.168.3.189	XS Submi	t New Install? Exit	0	¢
us ck Config ert Config mings(7) g off	Basic Co Remote Ser Domain Address Port	B2B F/ rver Configuration 192.168.3.189 192.168.3.189 5060	XS Submi	t New Install? Exit	0	

User can click on help image as present within B2B Config section in order to the get help/information regarding B2B config parameters as shown below:



Now, Reboot System.



Upload B2B Image

Once VEGA boots up, VEGA B2B Firmware Information is present within System Tab.

If VEGA does not have proper B2B image installed, then **B2B Firmware Information** will show proper information regarding **''B2B Image not found''** as shown below:

🚽 🍕 localhost Vega Hig	gh Den 🗙 🔽						
	t secure 192.168.3.189/vsfra	me?sid=-1478726509&frame_id=129				☆ 😫	0 :
	Vega High De Configuration	ensity FXS GW				Host Name loc IP Address 19 IP Address 19 User Name ad	:alhost 2.168.3.189 12.168.168.2 Imin
Status Quick Config	System Status						
Expert Config	System			LAN	400 400 0 400		
System	Product version Serial Number	Vega High Density FXS 0050582046fr		IP Address LAN 1	192.108.3.189		
Logging	VEGA Firmware Version	VEGAARM R111S014-B2B.5a		I AN Gateway	192.168.3.1		
LAN/WAN	B2B Firmware Information	B2B Image Not Found	Upload B2B Firmware	Show LAN Information	Show Switch Information		
POTS	Show Version Information	Show License Information	Show B2B Information				
Dial Plan	Chow Colorent montation						
Media	Registrar and Proxy			SIP Registrations			
lones	Domain	192.168.3.189		Registered Users	0 of 24 users registered		
SIP	Proxy	192.168.3.189		Show SIP Registrations			
ENP	Registrar	192.168.3.189					
QoS Statistics	Media			Interfaces			
Supp.Services	DSP Status	ACTIVE		FXS 24 of 24 in se	ervice		
Advanced	Show DSP Information			Show Port Information			
Report	And and a second s						

Now, upload B2B Firmware image.

B2B Image Upload

- If B2B is not install at all then user can click on "Upload B2B Firmware" as present in "Status" page within "System" section as shown in previous image.
- If B2B is already installed then go to **System**, and then to **"Upgrade Firmware"** as present within **"Upgrade B2B Firmware"** option of **"System Management Settings"** as shown below:

🖉 🍕 localhost Vega Hig	h Den x	
	secure 192.168.3.189/vsframe?sid=-14787265098&frame_id=129	☆ 😸 🖸 :
	Vega High Density FXS GW Configuration	Host Name Iocalhost IP Address 192.168.3.189 IP Address 192.168.168.2 User Name admin
Status Guick Config Expert Config Logging LANWAN POTS Dial Plan Media Tones SIP ENP Qo Statistics Supp.Services Advanced Reports	System Management Upgrade Firmware Upgrade Firmware Upgrade Firmware Upgrade Firmware Upgrade Eicense Update License Update License IVUpload/Download Files Administrator Login Timeout (Secs) 100 New Passaod Re-Enter Passaod Re-Enter Passaod	



Now, on **B2B Firmware Upgrade** page, choose **B2B image file** which needs to be uploaded/installed onto VEGA and then click on **Download** as shown below:

S2B Upg	igrade ×	
e ⇒ c	() 192.168.3.189/b2b_upgrade.htm	
Manageme	ent > B2B Firmware Upgrade	
File:	Choose File B2B-VEGAAR2B.5a.img	
Download Please select	t the file to download and click submit or click return to go back	
	I I I I I I I I I I I I I I I I I I I	

Do not navigate away once B2B firmware upgrade is in process as shown below:

) B2B (Upgrade ×	
\leftrightarrow >	X (1) 192.168.3.189/b2b_upgrade.htm	
Manager	<u>ment</u> > B2B Firmware Upgrade	
File:	Choose File B2B-VEGAAR2B.5a.img	
Download	id lateral second se	
U	Upgrade in progress. Please Wait.	
D	Do NOT navigate away or refresh page	

Once, **B2B image** is properly installed proper information is populated on to VEGA GUI and VEGA reboots itself as shown below:

B2B Upgr	ade Successful	
Statistic	s	
Processed	OK 1401830	
Failed	0	
Total	1401830	



Once, VEGA is restarted. B2B process is automatically by VEGA process and confirm the same by checking **VEGA B2B information** as present in **"System Status"** section of **"Status" Config** as given below:

