

Update to IPBrick v5.2

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1 Introduction

This document refers to the migration process from previous IPBrick versions to the new v5.2.

On the following sections you'll find a description about the two different possibilities to update to IPBrick v5.2:

- Migration using IPBrick updates
- Migration using IPBrick automatic installation CD

ATTENTION:

- **IPBrick v5.2 installation CD does not include MySQL DataBase Server.**
- **Kaspersky for Samba is not supported in this version, since Kaspersky Labs has no software release for this product compatible with the Samba Server v3.4.3 installed in IPBrick v5.2.**

2 Migration using IPBrick updates

You can only migrate to IPBrick v5.2 using IPBrick updates if you have installed a 5.0 or later version.

In order to migrate from a 5.0 or 5.0.1 version please follow these instructions:

1. Update to v5.1. Please check the document available at this URL:

http://downloads.ipbrick.com/IPBrick/download/v5.1/Update_to_IPBrickv5.1.pdf

On the 'Migration Using IPBrick Updates' section of the document, it's explained how to correctly migrate to the version 5.1.

2. Update to v5.2. To update from v5.1 to v5.2 you just need to install all the available updates for v5.1. A list with all the updates can be found at:

<http://downloads.ipbrick.com/IPBrick/download/v5.1/update/index.html>

Updates important notes:

- update_16-5.1 can only be installed after the installation of the following packages:
 - ipbrick-16-v51-pkg1.deb
 - ipbrick-16-v51-pkg2.deb
 - ipbrick-16-v51-pkg3.deb
 - ipbrick-16-v51-pkg4.deb
 - ipbrick-16-v51-pkg5.deb
 - ipbrick-16-v51-pkg6.deb
- ipbrick-16-v51-pkg*.deb packages will update some IPBrick software packages forcing the server to be restarted. So, **DO NOT install** this package on a production system during business hours.
- ipbrick-16-v51-pkg*.deb packages are about 35MB each, so it will take some time to be fully installed. Please wait until you be able to introduce the next package.
- ipbrick-16-v51-pkg*.deb packages should be installed using a workstation with LAN access to IPBrick.
- While installing ipbrick-16-v51-pkg*.deb packages, all the new software packages to be installed will be temporarily stored in /home1 partition. At least 600MB free space is required. An warning message is presented if there is not enough free space to proceed with the installation.
- ipbrick-16-v51-pkg6.deb is the last of the IPBrick software packages to be installed and the one that is going to process all the temporarily data stored in /home1 partition. So, it will take longer to be fully installed. Depending on the hardware, it may take 5 minutes to complete. Please wait.
- After installing update_16-v5.1 you must Apply Configurations. When finished, the server will **Reboot** automatically.
- The last update to be inserted is update_17-v5.1.

NOTE: update_17-v5.1 will be available very soon.

3 Migration using IPBrick automatic installation CD

If you have an IPBrick 4.3 or previous version, you can only migrate to 5.2 using the IPBrick automatic installation CD.

3.1 Very important! Check list to verify before starting the update

Before starting the migration to v5.2, there are some previous steps that must be checked:

- As in all IPBrick updates using CD it is advisable to have a full backup of the server data
- Backup the last IPBrick configuration from
Advanced Settings->Disaster Recovery->Configurations->Download
- Request the new IPBrick v5.2 configuration. After downloading the last IPBrick configuration, please send it to `support.install@ipbrick.com`

VERY IMPORTANT NOTES FOR IPBrick.GT SCENARIOS

- Since MySQL DataBase Server is not present on IPBrick v5.2 installation CD, the old IPBrick MySQL dependencies are replaced by PostgreSQL and some MySQL data (VoIP Call statistics) is migrated from MySQL to PostgreSQL.
- This MySQL to PostgreSQL migration is done automatically during the installation process.
- To guarantee that this process completes successfully, the installation CD automatically verifies if there is enough free space on the databases partition (`/var`) in order to execute the migration.
- When there isn't enough free space, the installation process will abort. When it happens, the following message will be displayed (example values are used):

```
Size of Call Statistics database: 2.41 GB
Available space on the databases partition (/var): 3.91 GB
To upgrade you need at least 6.02 GB available on the /var partition.
ABORTING INSTALLATION...
```

If this happens: Remove the CD, restart IPBrick and contact `support.install@ipbrick.com`

3.2 Reinstall server and replace configurations

- After receiving the new IPBrick v5.2 configuration proceed with the installation of the server using the IPBrick v5.2 installation CD.

VERY IMPORTANT NOTE FOR IPBrick.GT SCENARIOS

- When reinstalling an IPBrick.GT server, VoIP Call statistics will be migrated from MySQL to PostgreSQL. This process may take a while, depending on the size of the current call statistics database. While executing this step, the following message is presented on the screen:

"USING PARTITION 7 (or 8) FOR SYSTEM DATA BACKUP"

DO NOT REBOOT THE SERVER WHILE THIS STEP IS BEEING EXECUTED!

- When finished, IPBrick will have again the default configuration. Access to IPBrick web interface and upload the new configuration on **Advanced Settings->Disaster Recovery->Configurations->Upload**
- Replace the configurations for v5.2 by selecting the uploaded file on **Advanced Settings->Disaster Recovery->Configurations->Replace**
- After replacing the new configuration, the server will be again with the original configurations and running the new IPBrick v5.2

3.3 Applications Disaster Recovery

When installing IPBrick on a server that has already an IPBrick installed, the disaster recovery mechanism executes automatically a full backup of all existing databases (MySQL and PostgreSQL), so after the installation all databases can be restored. But since MySQL server is not installed by default on IPBrick v5.2, only PGSQL databases will be restored. So, to execute the Applications Disaster Recovery, you must do the following:

- If there were also MySQL databases on the server (for example, used on web sites), and it is mandatory to keep them, first install MySQL server package (the same used for IPBrick v5.1). Download this package from:
http://downloads.ipbrick.com/IPBrick/download/v5.1/mysqlserver4ipbrick_5.0.32-7etch5_i386.deb and insert it on **Advanced Settings->IPBrick->Update**.
- Go to **Advanced Settings->Disaster Recovery->Applications->Restore**
- Select the respective applications backup and restore it