



ACR1000A-T-R2  
ACR1002A-T  
ACR1012A-T  
ACR1000A-R-R2

ACR1002A-R  
ACR1000A-CTL  
ACR1000A-CTL-8  
ACR1000A-CTL-16

ACR1000A-CTL-24  
ACR1000A-CTL-48  
ACR1000A-CTL-96

ACR1000A-CTL-192  
ACR1000A-CTL-288  
ACR1000A-CTL-ULC

Upgrading to Agility™ iPATH™ 4.0

Follow this procedure to upgrade your Agility  
iPATH v3.3 hardware to a new 4.0 system.



Customer  
Support  
Information

Order toll-free in the U.S.: Call 877-877-BBOX (outside U.S. call 724-746-5500)  
FREE technical support 24 hours a day, 7 days a week: Call 724-746-5500 or fax 724-746-0746  
[www.blackbox.com](http://www.blackbox.com) • [info@blackbox.com](mailto:info@blackbox.com)

## Upgrading to Agility iPATH 4.0 Instructions

## Table of Contents

|                           |   |
|---------------------------|---|
| Overview .....            | 2 |
| Items You Will Need.....  | 2 |
| Procedure .....           | 2 |
| Step 1: Preparation ..... | 2 |
| Step 2: Migration .....   | 3 |

Disclaimer:

Black Box Network Services shall not be liable for damages of any kind, including, but not limited to, punitive, consequential or cost of cover damages, resulting from any errors in the product information or specifications set forth in this document and Black Box Network Services may revise this document at any time without notice.

## Overview

This procedure explains how to replace Agility iPATH v3.3 servers with v4.0 19-inch rackmount servers.

The software on the new unit is substantially different from the older system.

This document describes how to upgrade your system from v3.3 to v4.0 with minimal downtime.

## Items You Will Need

For this process to work, your existing iPATHs must be upgraded to or be running at v3.3.30913 and the Agility endpoints must be at v3.3 or above.

## Procedure

### Step 1: Preparation

- 1a. Make sure your existing iPATH Agility server is version 3.3.30913 or above and is on the network.
- 1b. ALL Agility units must be online.
- 1c. Make a backup of the database.
- 1d. Connect your new iPATH Agility server version 4.0.35946 to the network. (The unit should be powered off.)
- 1e. If there is only one OLD iPATH Agility server and it is running as a “solo” machine, you must configure it to be a primary server. (Go to the Servers tab.)
- 1f. If you already have a backup server on the network, leave it running. If you have ever had a backup running and it is no longer online, you MUST remove the server from the cluster table by deleting it from the primary server’s page.
- 1g. The upgrade only works if the iPATH v.3.3 is running an “Unlimited License.” If it is not, you will need to get an upgrade. Contact Black Box Technical Support at 724-746-5500 or [info@blackbox.com](mailto:info@blackbox.com).
- 1h. You must configure the iPATH v3.3 server to require authentication for a new backup server and set a password for this (Dashboard—>Tab Settings—>“servers”), even if you are currently not running a backup.
- 1i. Install your new Agility iPATH server with V4.0.35946 and reset it to factory default settings.

## Step 2: Migration

2a. Add the new iPATH server version 4.0.35946 to the network with the original server on and power it on.

2b. Navigate to 169.254.1.3 and login as “admin” (no password required).

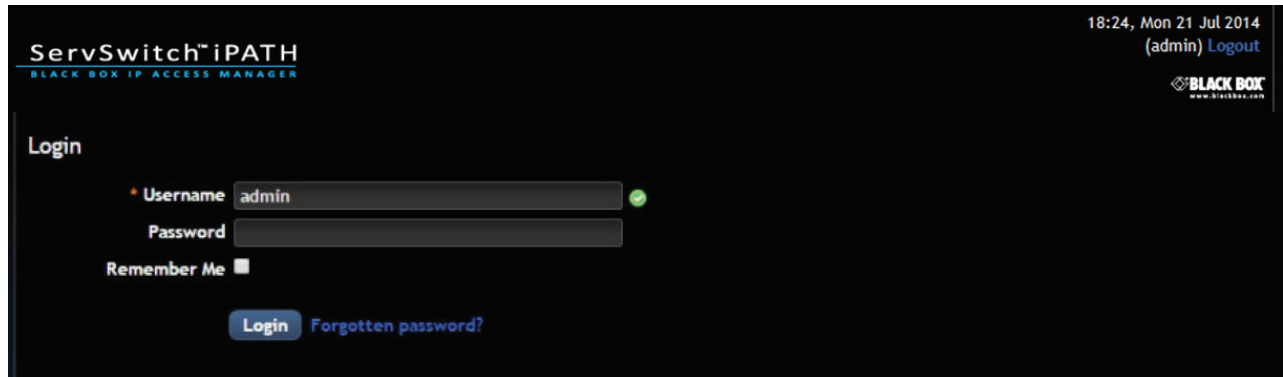


Figure 1. Login screen.

2c. The “View Servers > Restricted” page opens.

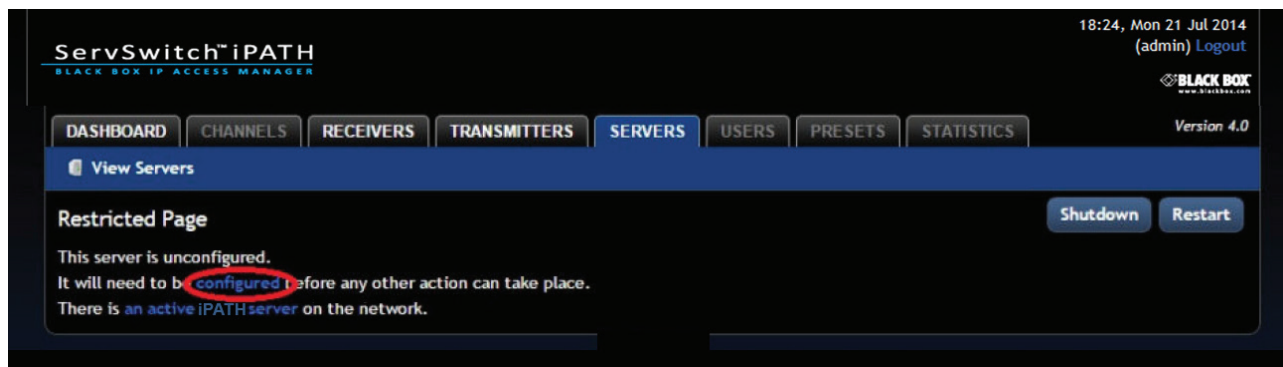


Figure 2. View Servers screen.

2d. Press the blue “configured” link (circled in red). The system goes to Servers > Configure Servers. Press the blue “migrate the 3.3 system” button.

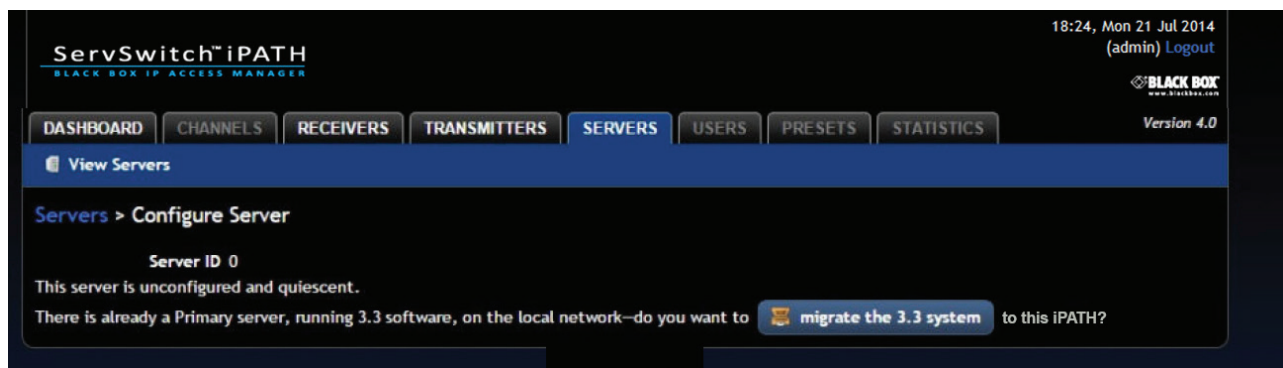


Figure 3. Configure Servers screen.

## Upgrading to Agility iPATH 4.0 Instructions

2e. The System Migration page appears.

ServSwitch™ iPATH  
BLACK BOX IP ACCESS MANAGER

18:24, Mon 21 Jul 2014  
(admin) Logout

BLACK BOX  
www.blackbox.com

DASHBOARD CHANNELS RECEIVERS TRANSMITTERS SERVERS USERS PRESETS STATISTICS Version 4.0

Home Updates Active Connections Connection Log Event Log Remote Support

### System Migration

Migrate an Agility iPATH system running version 3 software (3.3+) to 4.0

For the process to work, the system must be in the following state:

- The Agility iPATH server currently controlling the system must be configured as a Primary.
- It must be running software at 3.3.30913 or later.
- It must be configured to require authentication for new backup servers and password for this must be set.
- The attached devices must be running firmware at 3.330852 or later.
- The server must be factory fresh, or fully factory reset.

The following issues need to be resolved before migration can begin:

- This server must be given an IP address (using the form below)
- You need to enter the cluster password (using the form below)

\* IP Address  ! The new IP address for this server

\* Cluster Password  ! The password to join the cluster (as set on the Primary)

Figure 4. System Migration screen.

2f. Give the server a new IP address that is not already allocated on the network. For example, input an IP address: 192.168.1.4.

2g. Enter the authentication cluster password ("password" in this case).

*NOTE: The software does not validate the password before continuing. Make sure you enter the password correctly.*

ServSwitch™ iPATH  
BLACK BOX IP ACCESS MANAGER

18:24, Mon 21 Jul 2014  
(admin) Logout

BLACK BOX  
www.blackbox.com

DASHBOARD CHANNELS RECEIVERS TRANSMITTERS SERVERS USERS PRESETS STATISTICS Version 4.0

Home Updates Active Connections Connection Log Event Log Remote Support

### System Migration

Migrate an Agility iPATH system running version 3 software (3.3+) to 4.0

For the process to work, the system must be in the following state:

- The Agility iPATH server currently controlling the system must be configured as a Primary.
- It must be running software at 3.3.30913 or later.
- It must be configured to require authentication for new backup servers and password for this must be set.
- The attached devices must be running firmware at 3.330852 or later.
- The server must be factory fresh, or fully factory reset.

The following issues need to be resolved before migration can begin:

- This server must be given an IP address (using the form below)
- You need to enter the cluster password (using the form below)

\* IP Address  ! The new IP address for this server

\* Cluster Password  ! The password to join the cluster (as set on the Primary)

Figure 5. Migrate to 4.0 screen.

2h. Wait about two minutes until the "migration" process completes.

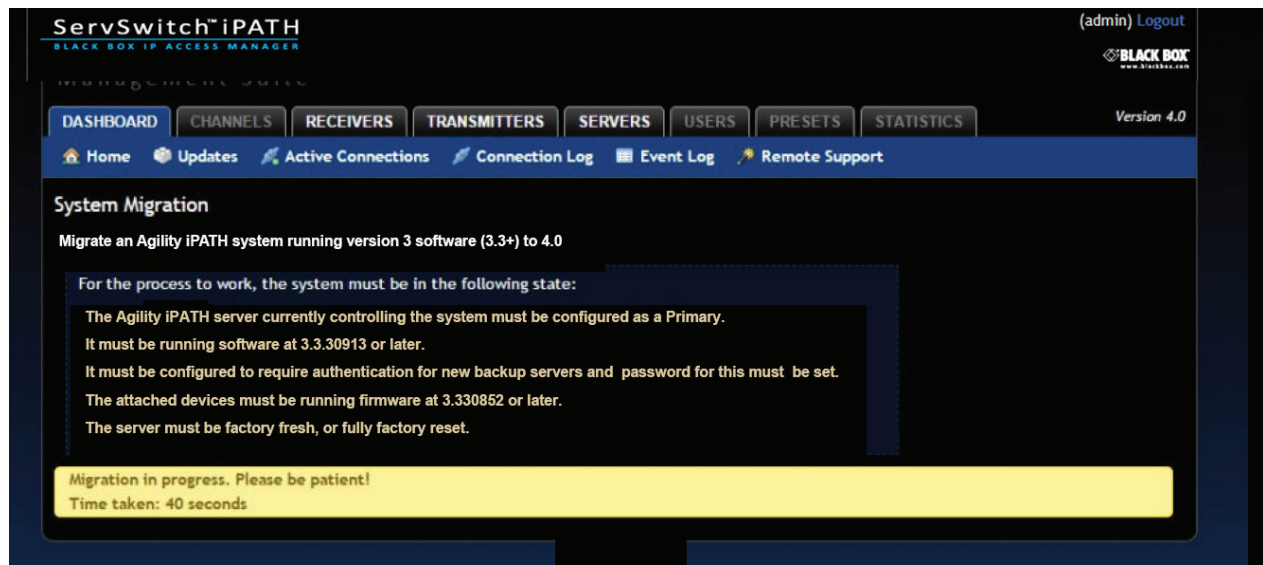


Figure 6. Migration in Progress screen.

2i. "Migration complete" in green displays; process is complete.

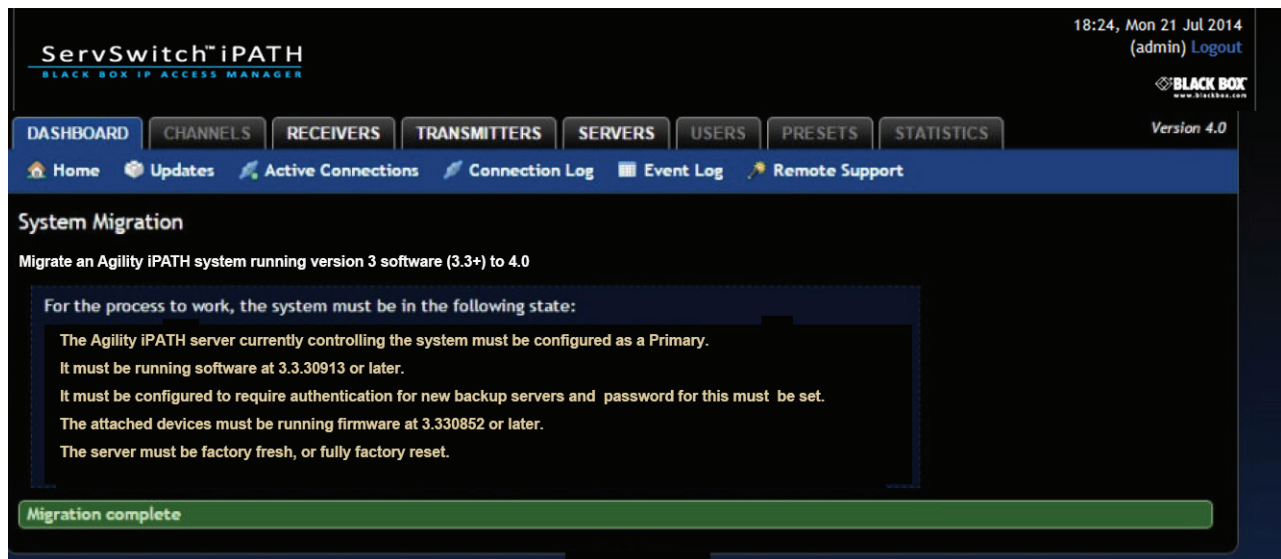


Figure 7. Migration Complete screen.

2j. The old Agility iPATH v3.3 server shuts down and the new Agility iPATH v4.0 takes over.

2k. Click on the Home tab.

2l. Login again as "admin" (no password required).

2m. The "Servers" tab displays and you can configure the server as a Primary.

*NOTE: The old Agility iPATH 3.3 server is still powered on but does not respond, so remove the old Agility iPATH 3.3 hardware.*

*NOTE: Sometimes the page times out before the migration is complete; if this happens, just reload the page.*

If at any stage you want to revert to the old system, simply shut down the NEW Agility iPATH 4.0 server, place the old v3.3 system onto the network, and power it on.

However, once you set the new server to Primary or upgrade the firmware/software, you cannot return the old server to the system without resetting the entire infrastructure to factory defaults.





**Black Box Tech Support: FREE! Live. 24/7.**

Tech support the  
way it should be.



Great tech support is just 60 seconds away at 724-746-5500 or [blackbox.com](http://blackbox.com).



### About Black Box

Black Box provides an extensive range of networking and infrastructure products. You'll find everything from cabinets and racks and power and surge protection products to media converters and Ethernet switches all supported by free, live 24/7 Tech support available in 60 seconds or less.

© Copyright 2015. Black Box Corporation. All rights reserved. Black Box® and the Double Diamond logo are registered trademarks of BB Technologies, Inc. Any third-party trademarks appearing in this manual are acknowledged to be the property of their respective owners.

Agility-iPATH-Upgrade-to-v4.0, rev2

---

724-746-5500 | [blackbox.com](http://blackbox.com)