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Brocade Network Advisor

Target Path Selection Guide

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12/07/16	Updated Target Path to 14.0.3 (general users) and to 14.1.1 (AMP users).
01/14/16	Updated Target Path to 12.4.2.
07/21/15	Updated Target Path to 12.3.4.
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12/18/13	Updated Target Path to 12.1.X.
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1 Introduction

This document provides initial guidance for selecting the Target Path code for a customer. These code selection rules provide high-level guidance as to which Brocade Network Advisor version is generally the best version to select. This document also identifies the projected next Target Path release of Brocade Network Advisor, after it achieves the required field experience and soak time.

These guidelines are not intended to be the only resources used in selecting code for a customer. The field SE or support engineer that is using this guide should also consult the Brocade release notes for patches built on the Target Path code releases. The release notes might identify a specific issue or corner case that should also be considered when making a code recommendation.

This guide is meant to assist the field SE or support engineer in selecting the best level of Brocade Network Advisor based on supported hardware, known issues, and proven field experience.

2 Definition of a Target Path Release

A Brocade Network Advisor release is identified as a “Target Path” release once it meets the following qualifications:

- The OEM has qualified the release.
- SQA testing demonstrates a high level of confidence in a stable release.
- The release has had at least one month of exposure in the field.

In rare cases, an emergency patch might be tagged as a Target Path release based on the severity of the defects addressed.

3 Target Path Code Selection

The following sections identify the specific Target Path code releases within each version of Brocade Network Advisor. The general recommendation is to always select the highest level patch within the release that is supported by the customer’s OEM.

3.1 Brocade Network Advisor Target Path

3.1.1 All Products

Brocade Network Advisor 14.0.3 should generally be recommended for all Brocade Fabric OS customers.

Version 14.0.3 has the following set of new features:

- Support for Brocade Gen 6 32-GB Fabric OS switches
- FCIP Extension support for Gen 6 directors
- Enhancements in Dashboard, MAPS, Monitoring (IP Extension, IO Insight)
- Flow Vision support for VE ports
- Important security fixes
- EMC ESRS support for CMCNE and Brocade flavors of Network Advisor

New Hardware Supported:

- Brocade Gen 6 Fabric OS switches: X6-4, X6-8, G620
- Brocade ICX 7750 and ICX 7450
- Ruckus wireless controllers and access points

New Software Supported:

- Brocade Fabric OS 8.0.x
- Brocade NetIron OS 6.0.x
- Brocade Network OS 7.0.x, 7.1.x
- Brocade FastIron OS 8.0.40x

3.1.2 Analytics Monitoring Platform

Brocade Network Advisor 14.1.1 should generally be recommended for all Brocade Fabric OS customers using Analytics Monitoring Platform.

Version 14.1.1 has the following set of new features:

- Fabric Insight Portal
- SAN and AMP Dashboards
- Flow Filters
- Flow Collectors

New Software Supported:

- ampos2.0

3.1.3 Target Path by Package and OEM

The following table provides the recommended Target Path by package and OEM.

Package	Brocade	EMC	HP	IBM	IBM System z
SAN	14.0.3	14.0.3	14.0.3	14.0.3	14.0.2
SAN AMP	14.1.1	14.1.1	14.1.1	N/A	N/A
Network OS	14.0.3	14.0.3	N/A	N/A	N/A
NetIron/ FastIron/ ADX	14.0.3	N/A	N/A	N/A	N/A

3.2 Recommended Upgrade Paths to the Target Path Release

The following upgrade paths are recommended for customers who are running older versions of DCFM, INM, and Brocade Network Advisor and who wish to upgrade to the Target Path release, avoiding known issues.

3.2.1 DCFM Upgrade Path to the Brocade Network Advisor Target Path

- DCFM 10.4.X → Network Advisor 11.1.X → Network Advisor 11.3.X → Network Advisor 12.1.X → Network Advisor 12.3.X → Network Advisor 12.4.X → Network Advisor 14.0.X
or
- DCFM 10.4.X → Network Advisor 11.1.X → Network Advisor 12.0.X → Network Advisor 12.2.X → Network Advisor 12.4.X → Network Advisor 14.0.X

3.2.2 INM Upgrade Path to the Brocade Network Advisor Target Path

- INM 3.3:
 - INM 3.3 → Network Advisor 11.0.2 → Network Advisor 11.1.X → Network Advisor 11.3.X → Network Advisor 12.0.X → Network Advisor 12.2.X → Network Advisor 12.4.X → Network Advisor 14.0.X
or
 - INM 3.3 → Network Advisor 11.0.2 → Network Advisor 11.1.X → Network Advisor 12.0.X → Network Advisor 12.1.X → Network Advisor 12.3.X → Network Advisor 12.4.X → Network Advisor 14.0.X
- INM 3.3.1c:
 - INM 3.3.1c → Network Advisor 11.0.2a → Network Advisor 11.1.X → Network Advisor 11.3.X → Network Advisor 12.1.X → Network Advisor 12.3.X → Network Advisor 12.4.X → Network Advisor 14.0.X
or
 - INM 3.3.1c → Network Advisor 11.0.2 → Network Advisor 11.2.X → Network Advisor 12.0.X → Network Advisor 12.2.X → Network Advisor 12.4.X → Network Advisor 14.0.X

If a customer migrates from INM 3.2 or prior versions to INM 3.3 and then migrates to Brocade Network Advisor, the migration will fail due to library incompatibility in INM. This is applicable only for the Linux 4.X version. The following is a workaround.

1. Stop the running INM service (INM 3.3 upgraded from 3.2 or prior version).
2. Back up the ironview folder.
3. Copy the following eight db files and the one properties file from the current <INM home>\database folder to some new location. (Note: the INM service should be stopped before copying the same.)
 - database.db
 - database_s3.db
 - database_s4.db
 - database_s5.db
 - database_si3.db
 - database_si4.db
 - database_si5.db
 - database.log
 - \ironview\htdocs\WEB-INF\classes\com\foundrynet\server\util\configuration.properties
4. Copy the entire archive folder from the current INM server to the same new location.
5. Install INM 3.3 freshly in the same PC in a different folder.
6. Copy and paste all eight database files to the newly installed <ironview home>\database folder.
7. Copy and paste the configuration.properties file to the <ironview home>\htdocs\WEB-INF\classes\com\foundrynet\server\util folder.
8. Copy and paste the entire backed-up archive folder to the <ironview home> folder.
9. Start the INM service.
10. Install Brocade Network Advisor 11.0.X and migrate from INM.

3.2.3 Brocade Network Advisor Upgrade Path to the Target Path

- Network Advisor 11.1.X:
 - Network Advisor 11.1.X → Network Advisor 11.3.X → Network Advisor 12.1.X → Network Advisor 12.3.X → Network Advisor 12.4.X → Network Advisor 14.0.X
 - or
 - Network Advisor 11.1.X → Network Advisor 12.0.X → Network Advisor 12.2.X → Network Advisor 12.4.X → Network Advisor 14.0.X
- Direct migration is supported from Network Advisor 12.4.X to Network Advisor 14.0.X.

3.2.4 Brocade Network Advisor Upgrade Path to the Target Path for AMP Users

Direct migration is supported from Network Advisor 12.4.X and Network Advisor 14.0.X to Network Advisor 14.1.1.

Note: Historic data for AMP flows from pre-14.1 will not be migrated to 14.1.1.

4 Exceptions for Target Path Selection

None.

5 Next Planned Target Path Release

The next planned Target Path release is Brocade Network Advisor 14.2.1, which will GA in March 2017.