
Advanced Authentication - Migration Tool Administrator Guide

Version 5.3

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About NetIQ Corporation

We are a global, enterprise software company, with a focus on the three persistent challenges in your environment: Change, complexity and risk—and how we can help you control them.

Our Viewpoint

Adapting to change and managing complexity and risk are nothing new

In fact, of all the challenges you face, these are perhaps the most prominent variables that deny you the control you need to securely measure, monitor, and manage your physical, virtual, and cloud computing environments.

Enabling critical business services, better and faster

We believe that providing as much control as possible to IT organizations is the only way to enable timelier and cost effective delivery of services. Persistent pressures like change and complexity will only continue to increase as organizations continue to change and the technologies needed to manage them become inherently more complex.

Our Philosophy

Selling intelligent solutions, not just software

In order to provide reliable control, we first make sure we understand the real-world scenarios in which IT organizations like yours operate—day in and day out. That's the only way we can develop practical, intelligent IT solutions that successfully yield proven, measurable results. And that's so much more rewarding than simply selling software.

Driving your success is our passion

We place your success at the heart of how we do business. From product inception to deployment, we understand that you need IT solutions that work well and integrate seamlessly with your existing investments; you need ongoing support and training post-deployment; and you need someone that is truly easy to work with—for a change. Ultimately, when you succeed, we all succeed.

Our Solutions

- ♦ Identity & Access Governance
- ♦ Access Management
- ♦ Security Management
- ♦ Systems & Application Management
- ♦ Workload Management
- ♦ Service Management

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About this Book

The Migration Tool Administrator Guide has been designed for Advanced Authentication administrators and describes how to migrate existing users authenticators from Advanced Authentication 4.11-4.12 to 5.3 and later.

Intended Audience

This book provides information for individuals responsible for understanding administration concepts and implementing a secure, distributed administration model.

1 About Migration Tool

Migration Tool provides you with an ability to transfer the existing authenticators of users that are enrolled in Advanced Authentication 4.11-4.12 to the database of Advanced Authentication 5.3 and later.

Migration Tool supports the following Advanced Authentication 4.11-4.12 compliant authentication providers:

- ♦ Lumidigm AP (migrating to Fingerprint)
- ♦ OATH OTP AP (migrating to TOTP/ HOTP)
- ♦ Smartphone AP (migrating to Smartphone)
- ♦ Universal Card AP (migrating to Card)
- ♦ Voice Call AP (migrating to Voice Call)

For some of the Advanced Authentication 4.11-4.12 authentication providers, you must specify the PIN as a second factor. For example, Card and PIN. During migration of such authenticators, Migration Tool enrolls a password authenticator for the PIN based on the following requirements:

- ♦ All templates of users contain the same PIN.
- ♦ PIN is in compliant with the password policies (Advanced Authentication Administrative Portal - Methods - Password).
- ♦ The policy **Use domain password as PIN** is disabled.
- ♦ `/no-pin` command line parameter is not specified.

The migrated authenticator retains user's comment. **Password** receives the following comment:
`Migrated PIN from v4.`

2 Installing and Uninstalling Migration Tool

1. Extract the `MigrationTool.zip` file to a local folder on the server where Advanced Authentication Authenticore Server 4.11-4.12 is installed.
2. Ensure that the following files exist in the extracted folder:
 - ♦ `MigrationTool.exe`: a console tool
 - ♦ `MigrationToolService.exe`: a helper service
 - ♦ `MigrationTool.config`: a configuration file for the tool

Continue with configuring Migration Tool. See [Configuring Migration Tool](#).

To uninstall Migration Tool, delete all files in the extracted folder.

3 Configuring Migration Tool

You must configure Migration Tool before you start using it.

Open the `migrationTool.config` file in Notepad and set the following parameters:

- ♦ `host`: IP address or hostname of Advanced Authentication Server 5.3.
- ♦ `logEnabled`: Debug logging. By default, the logging is enabled. Set the value to `False` to disable the logging.
- ♦ `logPath`: Full path of the Debug logs folder.
- ♦ `productName`: Product name. You must specify `NetIQ Advanced Authentication Framework`.
- ♦ `vendorName`: Vendor name. You must specify `NetIQ`.

4 Using Migration Tool

You must run Migration Tool with elevated privileges.

1. Open command prompt with elevated privileges.
2. In the Migration Tools folder, run the following command for the console help:

```
MigrationTool.exe /help
```

Migration Tool supports the following parameters:

- ♦ /help - displays help information about command line arguments.
- ♦ /user=<username> - allows to specify a user whose authenticators must be migrated.
- ♦ /no-pin - disables enrollment of password corresponding to existing PIN.

For Example:

migrationTool.exe /user:AAF\PJones – migrates all authenticators of user PJones from the Advanced Authentication domain.

migrationTool.exe /no-pin /user:AAF\PJones – migrates all authenticators of PJones except PIN.

Sample output:

```
MigrationTool.exe /u:AAF\testUser
User was successfully authenticated on the appliance
```

```
Migration of Smartphone started
OK
```

```
Migration of Smartphone started
FAILED: Already enrolled
```

```
SMS does not need manual migration
```

```
Don't know how to migrate template:
Provider name: Security Questions
Provider ID: ef015d9d-b076-4917-838b-c1441f7e23b3
```

```
Migration finished. Please check above messages for the errors
```

WARNING: Advanced Authentication 5.3 supports enrollment of only one authenticator of each type. Migration Tool displays a warning if a user has more than one authenticator of each type in Advanced Authentication 4.11-4.12.

NOTE: Migration Tool displays authenticators that cannot be migrated for the authentication providers. This is because either the tool does not support the authentication provider or Advanced Authentication Server 5.3 does not support an appropriate method.

If you are migrating an authenticator that corresponds to a TOTP or HOTP token, the authenticator is not displayed in Advanced Authentication Administrative Portal - Methods - OATH OTP - OATH Tokens.

4.1 Migrating Smartphone Authenticators

The **Smartphone Authentication Dispatcher** acts as an intermediate component between a user's smartphone and Advanced Authentication Authencore Server. After migrating Smartphone authenticators, you need to redirect smartphones from **Smartphone Authentication Dispatcher** to Advanced Authentication Server 5.3.

If you use IP address of the **Smartphone Authentication Dispatcher** in **Smartphone Authentication Dispatcher** policy, you must reconfigure the router to redirect the network traffic. If you use a hostname of the **Smartphone Authentication Dispatcher**, the necessary changes are performed on DNS server.