



APUSIC
固若长城
睿比世界

User Manual

Apusic Application Server Migration Tool V1.0

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1 Preface

This document is the user manual for the Apusic Application Server Migration Tool. It describes in detail the basic installation and configuration of the Standard Edition and provides the basic operating procedures and detailed steps for each feature.

1.1 Intended Audience

This manual is intended for technical personnel who use the Apusic Middleware Migration Tool (hereinafter referred to as the "Migration Tool") to implement application migration, including:

- **Implementation/O&M Engineers:** front-line implementation personnel responsible for migrating existing Java applications from the source middleware to the Apusic Application Server (AAS);
- **Test/Assessment Personnel:** personnel who need to assess application compatibility with AAS before migration and produce migration reports.

Readers of this manual are expected to have basic experience with middleware (Tomcat / TongWeb) and to understand common concepts such as application deployment and port configuration. Remote migration mode additionally requires basic knowledge of remote SSH access.

1.2 Technical Support

The Apusic Application Server product provides comprehensive technical support. You can obtain technical support through the following channels:

- Website: www.apusic.com
- Telephone: 400-855-5800
- Email: support@apusic.com
- Kingdee Cloud Community: <https://vip.kingdee.com/?productId=73&productLineId=14&lang=zh-CN>

When requesting technical support, please provide the following information:

1. Your name
2. Company information and contact details
3. Operating system and its version
4. Product version number
5. Detailed information about the exception or error, such as logs and screenshots

1.3 Version Information

This document is the user manual for the Apusic Migration Tool. Its content is revised cumulatively as the tool version is updated.

Date	Manual Version	Applicable Product	Revision Notes
September 2026	V01E01F01	Kingdee Apusic Application Server Migration Tool	Usage instructions

2 Overview

2.1 Introduction

The Apusic Middleware Migration Tool is a GUI-based application server migration tool that helps users migrate Java applications deployed on middleware such as Apache Tomcat and TongWeb from TongTech to the Apusic Application Server (AAS) in a single, streamlined process. It covers the complete workflow of **Assessment, Migration Execution, Verification, and Reporting**:

- **Assessment**: Automatically identifies the type and version of the source middleware, collects key configurations, and converts them into the corresponding AAS configurations. Differences between the source and the target are presented as a "configuration comparison" and can be adjusted manually;
- **Migration Execution**: Automatically installs or detects the target AAS, merges configurations, and deploys applications, all without intruding on the source environment (the source middleware directory is accessed in read-only mode only);
- **Verification**: After migration completes, automatically performs AAS startup verification, application deployment verification, and health checks according to the verification rules;
- **Reporting**: A migration report is generated for each migration and can be exported to PDF / DOCX for archiving.

Currently supported migration paths:

Source Middleware	Target Middleware
Apache Tomcat 9	AAS v10.0.8 Standard Edition
Apache Tomcat 10	AAS v10.0.10 Standard Edition
Apache Tomcat 11	AAS v10.0.11 Standard Edition
TongWeb 7	AAS v10.0.8 Standard Edition
TongWeb 8	AAS v10.0.8 Standard Edition

Two migration modes:

- **Remote migration**: The tool is deployed independently and reads source middleware information remotely over the SSH protocol. No agent needs to be installed on the source host. This mode suits scenarios where the source and the tool reside on different machines (for example, migration from an x86 environment to a Xinchuang environment);
- **Local migration**: The tool and the source middleware are deployed on the same machine and the local directory is read directly. This mode suits same-platform migration or test environments.

The tool also provides an "Embedded Container Migration" feature, which converts and adapts Spring Boot executable JAR packages into the AAS embedded runtime format (see [Embedded Container Migration](#) for details).

2.2 Environment Requirements

Tool runtime environment (the machine hosting the tool):

Item	Requirement
Operating System	Linux or Windows
Java Environment	JDK 17 (64-bit); the <code>java</code> command must be available in PATH, or <code>JAVA_HOME</code> must be set correctly
Disk Space	≥ 10 GB recommended (the installation package contains AAS installation media for 3 versions, and the migration process also copies application replicas and the target AAS runtime directory)
Port	Port 6880 (the tool Web service port) must be free
Browser	Modern browsers such as Chrome / Edge

Additional requirements for remote migration:

- The machine hosting the tool must be able to reach the host running the source middleware over SSH (default port 22);
- The SSH account must have permission to read the source middleware installation directory and the applications deployed on it.

Target requirements for migration:

- The target AAS deployment directory must be writable on the machine hosting the tool;
- The target AAS installation package and license are distributed with the tool (located under the tool directory `data/aas-install/`) and require no separate preparation.

3 Installation and Startup

3.1 Installation

The Migration Tool is distributed as a zip archive with a name such as `aas-migration-tool-v1.0-<build-date>.zip`.

1. Upload or copy the archive to the target machine;
2. Extract it to the installation directory. It is recommended that the installation path contain no Chinese characters or spaces;
3. After extraction, verify the integrity of the directory (see [Tool Directory Structure](#) for a description of the directory layout);
4. Confirm that `java` (JDK 17) is available: run `java -version` on the command line to check the version, or confirm that `JAVA_HOME` points to JDK 17.

No external dependencies such as a database need to be installed. The tool uses an embedded SQLite database, and the target AAS installation package and license are built into the installation directory.

3.2 Running the Tool

- Linux / macOS:

```
./start.sh
```

- Windows: Double-click `start.bat`, or run `start.bat` from the command line.

The startup script runs the tool in the background. The process ID is written to `run.pid` in the installation directory, and console output is redirected to `logs/console.out`.

Once started, access the tool in a browser at:

```
http://<IP of the machine hosting the tool>:6880/
```

The browser automatically redirects to the login page. Sign in with the default administrator account: `admin / admin123`.



After a successful sign-in, you enter the **Home Overview** by default (see [Home Overview](#) for details of each module).

A login session expires automatically after 30 minutes of inactivity, after which you must sign in again.

Other common operations:

- Check the running status: run `./status.sh` (`status.bat` on Windows). The script displays the process ID and probes whether the Web service is reachable;
- View runtime logs: `logs/migration-tool.log` (rolled over at 10 MB, retained for 30 days by default).

Upgrade: Download the new zip, extract it to a new directory, stop the old service, copy `data/migration.db` and `data/migration/` from the old directory to the corresponding locations in the new directory, and then start the service from the new directory. Do not overwrite `data/migration.db` while the service is running, as this may result in the loss of migration history.

3.3 Stopping the Tool

- Linux / macOS:

```
./stop.sh
```

- Windows: Double-click `stop.bat` , or run `stop.bat` from the command line.

The stop script sends a normal termination signal to the process and waits up to 5 seconds before forcibly terminating it. A migration task that is currently running is interrupted by the process exit, and the project remains in an abnormal state; you can start the migration again from the page.

4 Tool Architecture

4.1 Tool Directory Structure

The directory structure after extracting the installation package is as follows:

```
aas-migration-tool-v1.0/
├─ migration-tool-aas-1.0.0-SNAPSHOT.jar    # Main tool program
├─ data/
│   └─ aas-install/                        # Target AAS installation
packages (V10.0.8 / V10.0.10 / V10.0.11) and licenses
│   └─ migration/                          # Migration project
runtime artifacts (one directory per project name)
│   └─ migration.db                        # Tool embedded database
(metadata such as projects, tasks, and accounts)
├─ logs/                                  # Runtime log directory
├─ docs/
│   └─ 配置转换总览/                        # Documentation of
configuration conversion rules for each migration path
├─ start.sh / start.bat                    # Startup script
├─ stop.sh / stop.bat                      # Stop script
├─ status.sh / status.bat                  # Status check script
└─ README.md
```

Here, `data/migration/<project-name>/` is the dedicated workspace for each migration project and is generated automatically during execution:

Path	Description
<code>apps-work/</code>	Copies of each application copied from the source middleware during the scanning phase (the migration phase uses these copies and no longer accesses the source)
<code>aas-config/</code>	Target AAS configuration files generated by conversion during the scanning phase, together with configuration comparison snapshots
<code>copy-work/</code>	Configuration reference files pre-copied during the scanning phase (such as SSL certificates)

<code>tasks/<sequence>/</code>	Record directory for each migration execution, containing the source/target configuration snapshot taken before the task started (<code>snapshot/</code>) and the task-level execution log (<code>execution.log</code>)
--------------------------------------	---

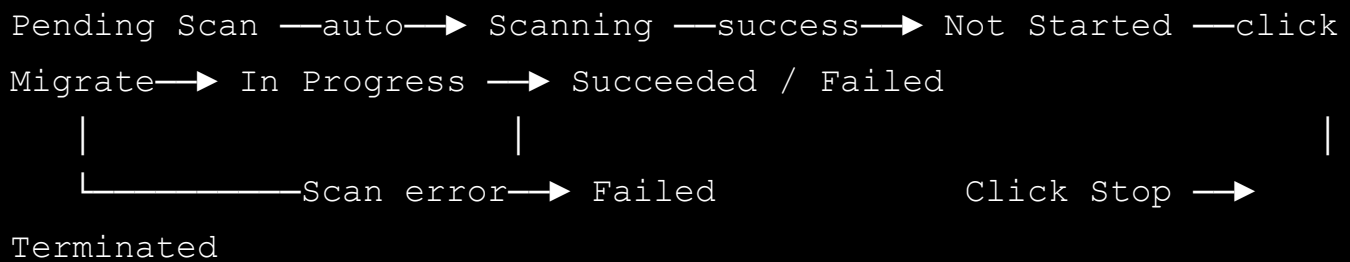
4.2 Terminology

Term	Description
Migration Project	The basic management unit of a migration effort, recording information such as the source environment, target environment, and migration mode. All scanning, migration, verification, and reporting are organized by project.
Migration Mode	A project creation attribute, divided into Remote Migration (accessing remote source middleware over SSH) and Local Migration (accessing source middleware on the local machine).
Source Middleware	The starting point of migration, that is, the middleware on which the application is currently deployed (Tomcat 9/10/11, TongWeb 7/8).
Target Middleware	The destination of migration, that is, the AAS application server. Currently, v10.0.8 / v10.0.10 / v10.0.11 Standard Edition are supported.
Scanning (Detection)	The collection process performed on the source middleware after a project is created: identifying the type and version, reading key configurations, converting them into AAS configurations according to rules, and copying applications to the tool working directory. Once scanning completes, the project enters the "Not Started" state.
Target AAS Deployment Directory	The root directory in which the tool installs and deploys the target AAS. During migration, the AAS installation package is extracted to this directory and configuration merging is completed. Note: Whether migration is local or remote, the target AAS is always installed on the machine hosting the tool.
Configuration Comparison	The item-by-item view of "source configuration ↔ target AAS configuration" generated after scanning, which also lists items not covered by rules and conversion warnings. Target configuration values can be modified manually on the edit page.
Verification Rules	The checks performed automatically after migration completes, including: verifying AAS startup, verifying application deployment, and verifying health checks. Configuration comparison verification is enabled by default and automatically flags differences for manual confirmation.
Health Check URL	The address used for health checks, in the form <code>http://<IP>:<port>/</code> . After migration completes, the tool uses this address to probe whether AAS is alive.

Migration Task	An execution record generated each time "Migrate" is clicked. It includes phase progress, elapsed time, failure cause, and a snapshot of the source/target information at that time, and can be reviewed in "Migration History".
Migration Report	The result report generated after a task completes, including the execution summary, migration path, application migration list, and configuration comparison. It can be exported to PDF / DOCX.
Embedded Container Migration	A standalone feature that converts and adapts Spring Boot executable JAR packages into the AAS embedded runtime format. The conversion artifact is <code>{JAR-name}-aams.jar</code> .

4.3 Execution Flow

A complete migration follows the main flow of "create project → scan → confirm/adjust → execute migration → verify → view report". The project state machine is as follows:



Projects in the Failed / Terminated / Succeeded states can all be migrated again by clicking "Migrate".

① **Create a project:** Fill in the source and target environment information and save. The project enters the "Pending Scan" state. You can choose to scan immediately or start the scan later from the list page.

② **Scanning phase (executed automatically):**

1. Connect to the source middleware (a local directory or a remote host over SSH) and automatically identify the middleware type and version;
2. Read key configuration files (such as Tomcat's server.xml, context.xml, logging.properties, and so on) and convert them into the corresponding AAS target configuration using the built-in rule engine;
3. Copy each application from the source to the tool working directory `apps-work/` and process the application's internal configuration (for example, adapting and rewriting web.xml);
4. Generate configuration comparison snapshots and the application inventory.

Scanning and migration are decoupled from each other: once scanning completes, subsequent migration uses only the copies in the tool working directory. Even if the source middleware is modified, taken offline, or becomes unreachable, the migration can still be executed normally.

③ **Confirm/adjust:** After scanning completes, the project is in the "Not Started" state. On the project view page, the user confirms the application information and configuration comparison. To adjust the target AAS information, verification rules, or target configuration values, go to the edit page via "More → Edit" on the list page, make the changes, and save.

④ **Migration execution** (executed automatically after "Migrate" is clicked; the project enters the "In Progress" state), which proceeds through three phases:

Phase	Main Activities
Phase 1: Prepare Deployment	Check the target AAS deployment directory; if AAS is not yet installed, automatically extract the installation package into the deployment directory and apply the license
Phase 2: Execute Migration	Merge the AAS configuration generated by scanning into the AAS instance configuration; deploy the applications in <code>apps-work/</code> to AAS; copy files referenced by the configuration (such as SSL certificates)
Phase 3: Verification	Execute the selected verification rules: stop any legacy AAS instance and start a new one, check application deployment, and probe the health check URL for liveness

If all three phases succeed, the task is marked "Succeeded"; if any phase fails, the task is marked "Failed" and the failure cause is recorded. During execution, you can click "Stop" to terminate the task (an already installed AAS will not be uninstalled).

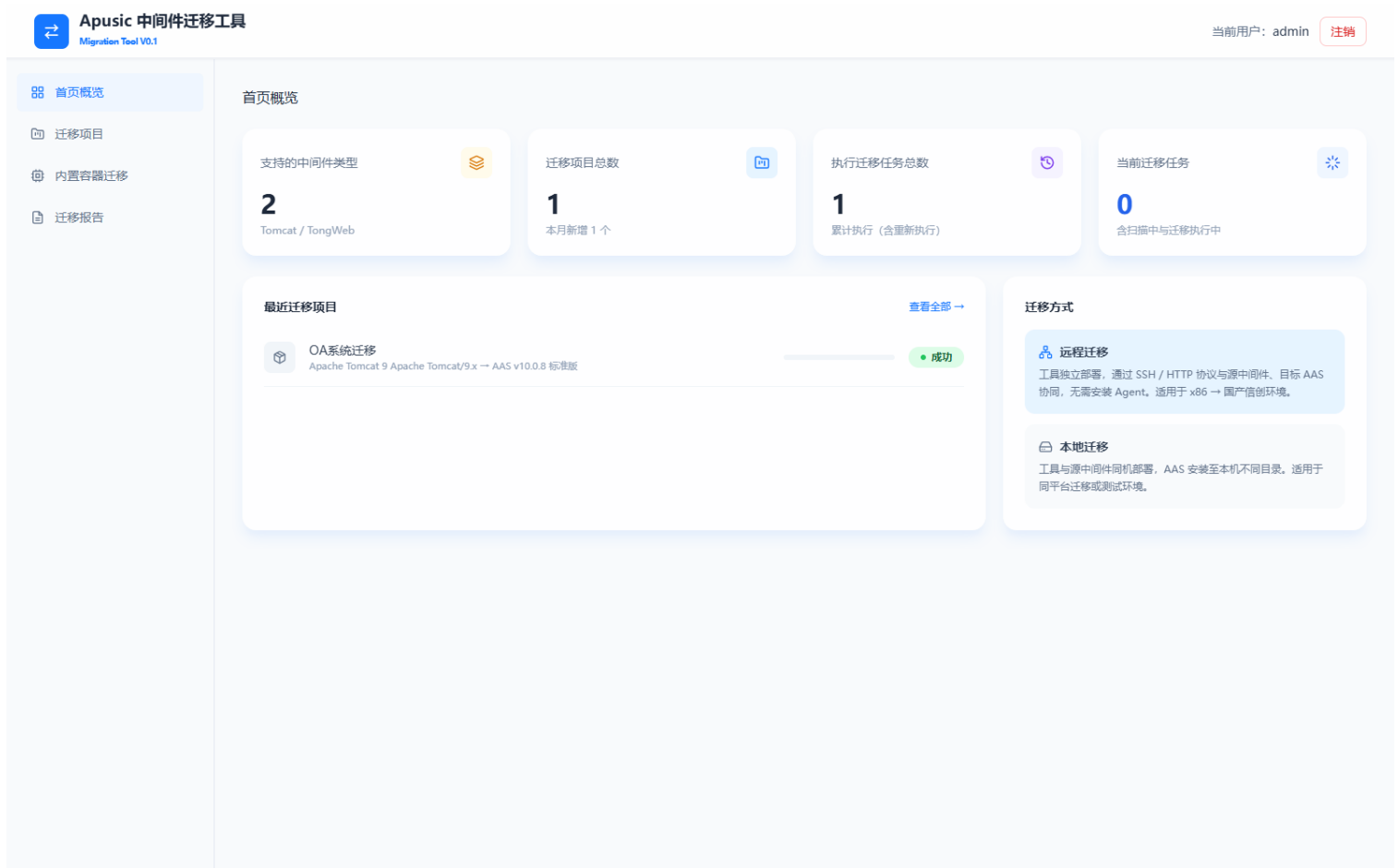
⑤ **View the report:** Once the task completes, you can view execution information, the configuration comparison, and execution logs on the task details page, and view the basic report information, migration path, execution summary, and configuration information on the report page. Reports can be exported to PDF / DOCX for archiving.

5 Migration Functionality

The Migration Tool web console is divided by the left navigation bar into four functional modules: **Home Overview**, **Migration Projects**, **Embedded Container Migration**, and **Migration Reports**. This chapter describes the entry point, operating steps, and field meanings of each feature module by module. The descriptions follow the actual wording used in the console UI.

5.1 Home Overview

Home Overview is the default page after a successful sign-in. It provides a quick view of the migration capabilities supported by the tool, the current migration workload, and recent migration activity. The left side of the page is the navigation bar, which contains four menus: **Home Overview**, **Migration Projects**, **Embedded Container Migration**, and **Migration Reports**. The upper-right corner shows the currently signed-in user; click **Log Out** to sign out.



Page elements:

Element Name	Parameter	Description
--------------	-----------	-------------

Statistic card	Supported middleware types	The number of source middleware types that the tool currently supports migrating, together with the list of types (Tomcat / TongWeb).
Statistic card	Total migration projects	The number of migration projects created, with the number added this month.
Statistic card	Total migration tasks executed	The cumulative number of migration tasks executed, including re-executions of the same project.
Statistic card	Current migration tasks	The number of tasks currently in progress, including scanning and migration execution.
Recent migration projects	Project entries	Shows the most recently created migration projects with their source middleware, target version, and current status. Click a project name to open the project view page; click "View All →" to go to the migration project list.
Migration mode	Remote migration	Description: The tool is deployed independently and works with the source middleware and target AAS over the SSH / HTTP protocols. No agent installation is required. Suited to migration from an x86 environment to a domestic Xinchuang environment.
Migration mode	Local migration	Description: The tool and the source middleware are deployed on the same machine, and AAS is installed to a different directory on that machine. Suited to same-platform migration or test environments.

5.2 Migration Projects

The Migration Projects module is the core feature of the tool. It targets scenarios in which the source middleware is already installed with Java applications deployed, and completes migration on a per-project basis. The overall operating flow is:

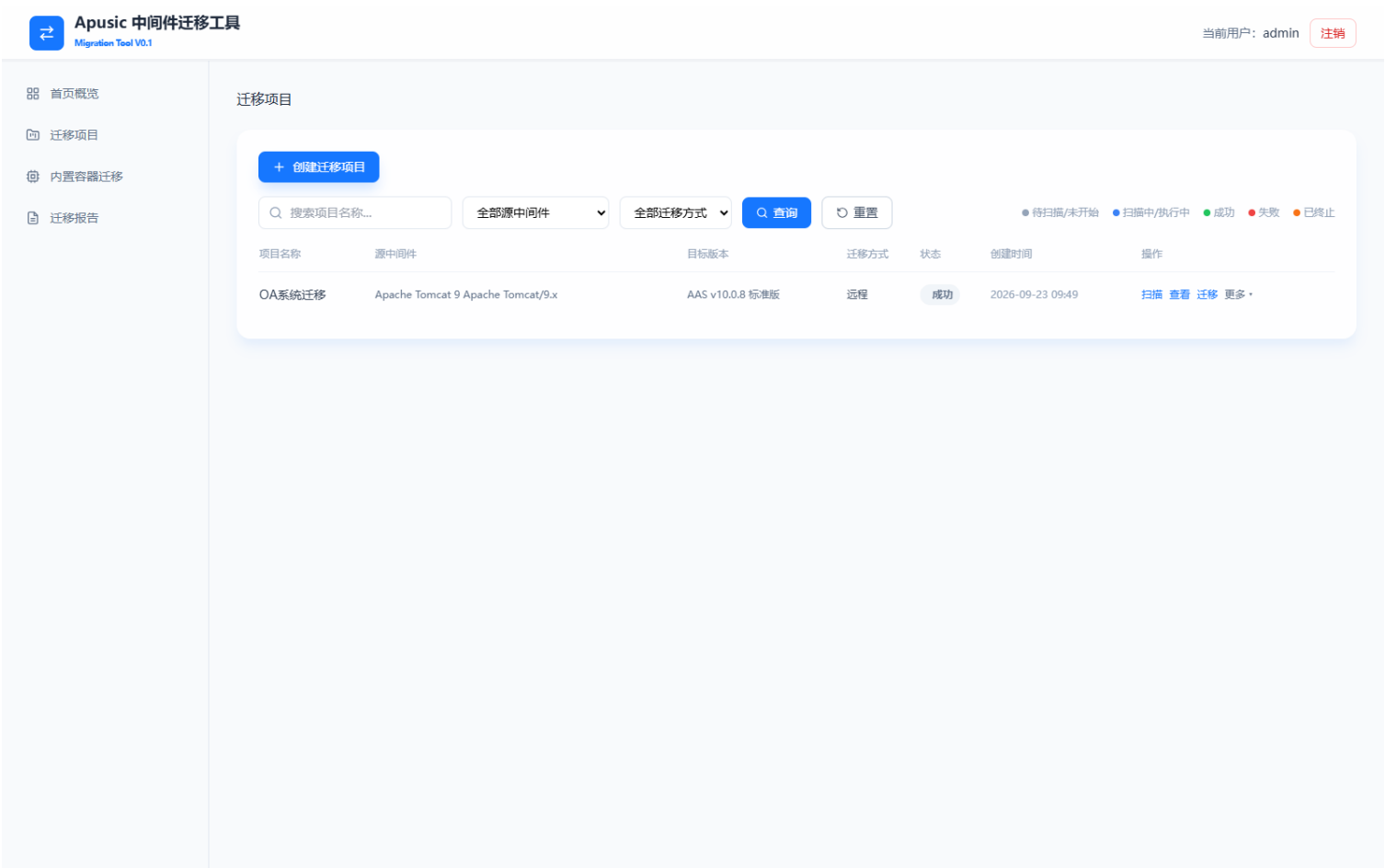
```

Sign in → Create a migration project (select the migration mode, enter
source/target information, detect the source middleware)
    → Scan (automatic)
    → Review the configuration comparison (target configuration can
be adjusted on the edit page)
    → Start migration (AAS is installed automatically; configurations
and applications are migrated and verified)
    → View/export the migration report

```

5.2.1 Project List

Click **Migration Projects** in the left navigation bar to open the migration project list page. The list shows the project name, source middleware, target version, migration mode, status, and creation time of all projects, with the status refreshed automatically every 3 seconds. Above the list, projects can be filtered by a combination of project name keyword, source middleware type, and migration mode. A legend on the right indicates the color code for each status (Pending Scan / Not Started, Scanning / In Progress, Succeeded, Failed, Terminated).



List fields and filter conditions:

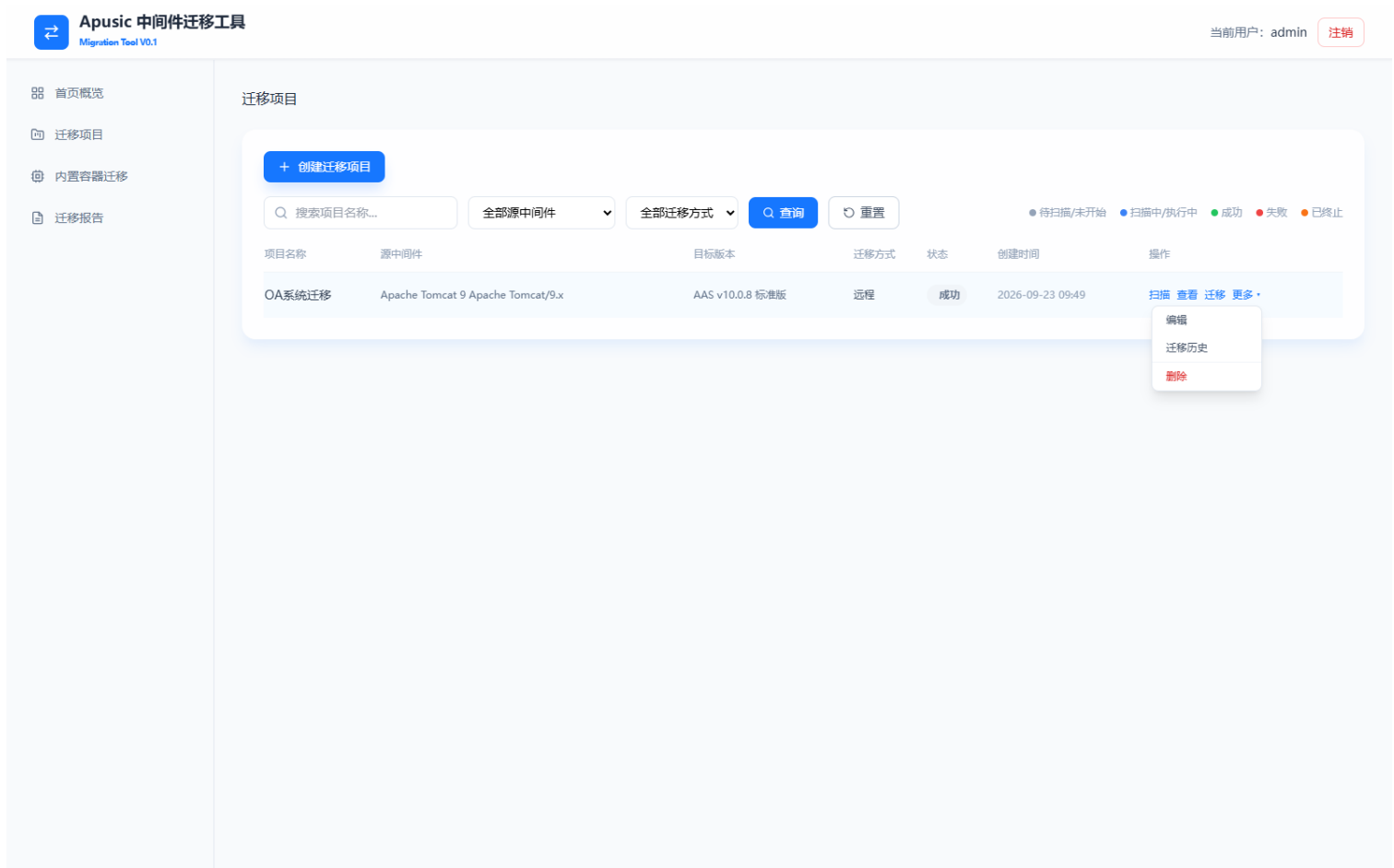
Element Name	Description
Project name	Fuzzy search by project name keyword. Click Search to apply; click Reset to clear all filter conditions.
Source middleware	Filter by source middleware type: All source middleware / Apache Tomcat 9 / Apache Tomcat 10 / Apache Tomcat 11 / TongWeb 7 / TongWeb 8.
Migration mode	Filter by migration mode: All migration modes / Remote / Local.

Project name	The name entered when the project was created.
Source middleware	The source middleware type and version identified by scanning, for example "Apache Tomcat 9 Apache Tomcat/9.x".
Target version	The target AAS version label, for example "AAS v10.0.8 Standard Edition".
Migration mode	The migration mode of the project: Remote / Local.
Status	The current project status: Pending Scan / Scanning / Not Started / In Progress / Succeeded / Failed / Terminated, with colors matching the legend on the right.
Creation time	The project creation time (YYYY-MM-DD HH:mm).

The operations available for each project row are as follows:

Operation	Description	Available States
Scan	Re-run the source configuration scan to refresh the application inventory and configuration comparison	Not Started, Succeeded, Failed, Terminated
View	Open the project view page to see application information, the configuration comparison, migration phases, and execution logs	All states
Migrate / Re-run	Start a migration execution; the project enters the "In Progress" state	Not Started (Migrate), Succeeded/Failed/Terminated (Re-run)
Stop	Terminate a scan or migration currently in progress (during execution, the "Migrate" button is replaced by a "Stop" button)	Scanning, In Progress
More → Edit	Open the edit page to modify the target AAS information, verification rules, and target configuration values	Not Started, Succeeded, Failed, Terminated
More → Migration History	View a record of all past tasks for this project, with filtering by result	All states
More → Delete	Delete the project and its runtime artifacts (database records and locally generated configuration files)	Not Started, Succeeded, Failed, Terminated

The expanded "More" drop-down menu is shown below:



5.2.2 Creating a Migration Project (Remote Mode)

Remote mode suits scenarios where the source middleware and the tool are on different machines: the tool reads source middleware information and copies applications remotely over the SSH protocol, **with no component installation required on the source host**. The target AAS is still installed on the machine hosting the tool.

Prerequisites:

- The machine hosting the tool must be able to reach the source host over SSH (default port 22);
- The SSH account must have permission to read the source middleware installation directory and the applications deployed on it;
- The target AAS deployment directory must be writable on the machine hosting the tool.

Steps:

1. Sign in to the tool's web interface, go to the "Migration Projects" list, and click **Create Migration Project**;
2. Enter the **Project Name** and select **Remote Migration** as the migration mode;
3. Enter the **Source Host Address, SSH Port / Account** (account and password), and click **Test Connection** to confirm reachability. On success, the source host name is echoed back (for example, `✓ Connection successful: hostname=AAS-168`);

4. Enter the **Source Middleware Directory**: you can click **Select Directory** to browse the source host directory tree in a dialog and select a directory, or type an absolute path manually and click **Scan**. On success, the middleware type and version are echoed back (for example, `✓ Detection successful: Apache Tomcat/9.x`) and the **Source Middleware Type** is filled in automatically;
5. Select the **Target AAS Version** (defaults to "Smart Recommendation"; you can also switch to "Manual Selection" to specify a version), and enter the **Target AAS Deployment Directory**;
6. Click **Save**. In the prompt that appears, choose **Scan Now** (or choose "Scan Later" and start the scan manually later by clicking "Scan" on the list page);
7. Wait for scanning to complete, then open the project view page to confirm the application information and configuration comparison (see [Viewing and Confirming Migration Information](#) for details);
8. Click **Migrate** and wait for the three phases (Prepare Deployment → Execute Migration → Verification) to complete automatically;
9. View the results on the task details/report page, and export the report if needed.

The empty form and the position of each field are shown below:

Apusic 中间件迁移工具

Migration Tool V0.1

当前用户: admin

注销

首页概览

迁移项目

内置容器迁移

迁移报告

← 迁移项目 / 创建迁移项目

填写源环境信息并保存, 保存后可选择立即或稍后扫描源中间件配置

* 项目名称

如: 电商平台迁移

* 迁移方式

远程迁移

SSH/HTTP 协议远程执行, 无需 Agent, 适用于 x86 → 信创环境

本地迁移

工具与源中间件同机部署, 适用于同平台迁移或测试环境

* 源主机地址

如: 192.168.1.101

* SSH 端口 / 账号

用户名

密码

测试连接

* 源中间件目录

如: /opt/tomcat

选择目录

扫描

选择目录后将自动检测中间件类型与版本; 输入框可手动编辑后点击“扫描”

* 源中间件类型

请选择源中间件类型

* 目标 AAS 版本

智能推荐 推荐

针对源中间件技术兼容性分析, 智能推荐迁移到AAS标准版或企业版

手动选择

请选择目标版本

* 目标 AAS 部署目录

/opt/apusic/aas10

取消

保存

Example of a completed, successfully detected form (migrating Tomcat 9 on a remote host to AAS v10.0.8; the password is masked in the UI):

项目名称

电商平台迁移

迁移方式

远程迁移

SSH/HTTP 协议远程执行，无需 Agent。适用于 x86 → 信创环境

本地迁移

工具与源中间件同机部署，适用于同平台迁移或测试环境

源主机地址

172.20.140.21

SSH 端口 / 账号

22

root

测试连接

✓ 连接成功: hostname=AAS-168

源中间件目录

/opt/testz/tomcat/apache-tomcat-9.0.48

选择目录

扫描

✓ 识别成功: Apache Tomcat/9.x

源中间件类型

Apache Tomcat 9

目标 AAS 版本

智能推荐 推荐

针对源中间件技术兼容性分析，智能推荐迁移到AAS标准版或企业版

手动选择

请选择目标版本

目标 AAS 部署目录

/opt/apusic/aas10

取消

保存

20

➡

Apusic 中间件迁移工具

Migration Tool V0.1

当前用户: admin

注销

🏠 首页概览

📁 迁移项目

🔍 内置容器迁移

📄 迁移报告

< 迁移项目 / 创建迁移项目

填写源环境信息并保存, 保存后可选择立即或稍后扫描源中间件配置

* 项目名称

* 迁移方式

* 源主机地址

* SSH 端口 / 账号

* 源中间件目录

* 源中间件类型

* 目标 AAS 版本

* 目标 AAS 部署目录

/opt/apusic/aas10

选择目录

输入绝对路径后回车跳转, 如 /opt/tomcat

~

ApusicAS2025-12-03 18:44 进入 >

arthas-bin2026-03-06 15:11 进入 >

javasharedresources2021-11-06 11:44 进入 >

logs2026-02-06 18:17 进入 >

org2026-03-26 08:21 进入 >

rabbit2021-06-29 10:36 进入 >

roller_data2020-06-24 15:22 进入 >

store2021-12-08 14:33 进入 >

wangjing2024-08-30 18:25 进入 >

/root

取消

选定当前目录

🔄 手动选择

请选择目标版本

取消

保存

Detailed field descriptions (remote migration):

Element Name	Description
Project Name	The display name of the migration project, for example "E-Commerce Platform Migration". Required and must be globally unique.
Migration Mode	Execution is performed remotely over the SSH/HTTP protocols, with no agent installed on the source host. Suited to migration from an x86 environment to a Xinchuang environment. Mutually exclusive with "Local Migration"; the form shows the corresponding source information fields based on the selection.
Source Host Address	The IP address or host name of the host running the source middleware, for example 192.168.1.101. Required; shown only for remote migration.
SSH Port	The SSH service port on the source host. Required; shown only for remote migration. The default is 22 and valid values are 1–65535.
SSH Account	The account used to sign in to the source host; it must have permission to read the source middleware directory. Required; shown only for remote migration.

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SSH Password	The password for the SSH account, masked in the UI. Required; shown only for remote migration. The credentials are used only for read operations in this connection.
Test Connection	Clicking this validates SSH connectivity. On success, the source host name is echoed back (✓ Connection successful: hostname=xxx); on failure, the reason is displayed. It is recommended to test the connection before filling in the directory.
Source Middleware Directory	The absolute path of the source middleware installation directory on the source host , for example /opt/tomcat. Required. You can click "Select Directory" to browse the source host directory tree and select it (detection is triggered automatically after selection), or type it manually and click "Scan" to trigger detection.
Source Middleware Type	Automatically detected and filled in; if detection fails, it can be selected manually from the drop-down list. Available options: Apache Tomcat 9 / Apache Tomcat 10 / Apache Tomcat 11 / TongWeb 7 / TongWeb 8. Required.
Target AAS Version	Default and recommended. The tool performs a technical compatibility analysis of the source middleware and intelligently recommends the AAS version to migrate to (UI text: "Based on a technical compatibility analysis of the source middleware, intelligently recommends migrating to AAS Standard Edition or Enterprise Edition"; the recommendation currently always returns Standard Edition).
Target AAS Version	Specify a version manually from AAS v10.0.8 / v10.0.10 / v10.0.11 Standard Edition. Mutually exclusive with "Smart Recommendation".
Target AAS Deployment Directory	The deployment root directory of the target AAS on the machine hosting the tool , for example /opt/apusic/aas10. Required. During migration, the AAS installation package is extracted to this directory; if an AAS instance of the same version is already installed there, it is reused directly.

When "Save" is clicked, the project enters the "Pending Scan" state. After "Scan Now" is selected, the tool automatically performs collection and conversion; during scanning, you can click "Stop" on the list page to interrupt it.

5.2.3 Creating a Migration Project (Local Mode)

Local mode suits scenarios where the tool and the source middleware are deployed on the same machine (same-platform migration or test environments). The overall operating flow is identical to remote mode; the only differences are:

1. When creating the project, select **Local Migration** as the migration mode. The form does not include the source host address, SSH port, account, password, or "Test Connection" fields;
2. The **Source Middleware Directory** is a local path on the machine hosting the tool, and the "Select Directory" dialog browses the local file system;

5.2.4 Scanning and Configuration Conversion

After the project is saved, you can choose **Scan Now**, or start the scan manually later by clicking **Scan** on the list page. During scanning, a **Stop** button is available on the list page to interrupt the scan. During the scanning phase, the tool automatically performs the following work:

1. Connect to the source middleware (a local directory or a remote host over SSH) and automatically identify the middleware type and version;
2. Read key configuration files and convert them, by migration path, into the corresponding AAS target configuration using the built-in rule engine;
3. Copy each application from the source to the tool working directory `apps-work/` and rewrite the application's internal configuration in place (for example, replacing package names of filters/servlets/listeners in web.xml);
4. Generate configuration comparison snapshots and the application inventory; the project then enters the "Not Started" state.

Scanning and migration are decoupled from each other: **once scanning completes, subsequent migration uses only the copies in the tool working directory. Even if the source middleware is modified, taken offline, or becomes unreachable, the migration can still be executed normally.** For a project in the "Not Started, Succeeded, Failed, or Terminated" state, clicking **Scan** again refreshes the application inventory and configuration comparison (for example, after the source applications or configurations have changed).

The source configuration files read and the target configurations generated by conversion for each migration path are as follows (for item-by-item descriptions of the conversion rules, see the corresponding document under `docs/配置转换总览/` in the tool installation directory):

Migration Path	Source Configuration Read	Target Configuration Generated
Tomcat 9 → AAS v10.0.8 Standard Edition	<code>conf/server.xml</code> , <code>conf/context.xml</code> , <code>conf/logging.properties</code> , application <code>WEB-INF/web.xml</code> , application <code>META-INF/context.xml</code>	<code>apusic.conf</code> , <code>context.xml</code> , <code>logging.properties</code> ; application <code>web.xml</code> / <code>context.xml</code> rewritten in place (package name replacement)
Tomcat 10 → AAS v10.0.10 Standard Edition	Same as Tomcat 9	Same as Tomcat 9
Tomcat 11 → AAS v10.0.11 Standard Edition	Same as Tomcat 9	Same as Tomcat 9
TongWeb 7 → AAS v10.0.8 Standard Edition	<code>conf/tongweb.xml</code> , <code>conf/default-web.xml</code> , <code>bin/external.vmoptions</code> , application <code>WEB-INF/tongweb-web.xml</code>	<code>apusic.conf</code> , <code>context.xml</code> , <code>vm.options</code> ; application-level configuration conversion generates <code>META-INF/context.xml</code>
TongWeb 8 → AAS v10.0.8 Standard Edition	<code>domains/<domain>/conf/tongweb.xml</code> (including <code><java-config></code> JVM parameters), application <code>WEB-INF/tongweb-web.xml</code>	<code>apusic.conf</code> , <code>vm.options</code> ; application- level configuration conversion generates <code>META-INF/context.xml</code>

Source configuration items not covered by rules are not discarded: they are listed as "items not covered by rules" in the configuration comparison view and the migration report, together with a conversion warning prompting manual confirmation.

5.2.5 Viewing and Confirming Migration Information

After scanning completes (the project is in the "Not Started" state), click **View** on the list page to open the project view page. At the top of the page, a project summary bar shows the source middleware, target environment, migration mode, run number, current status, and overall progress. In the upper-right corner, three action entries are provided: **View Migration Report**, **Migrate**, and **Migration History**.

The main body of the page contains two read-only areas:

- **Application Information:** the application inventory produced by the source configuration scan, listing the application name, type (for example, WAR), component count, source context path, and target context path;
- **Configuration Comparison:** an item-by-item comparison of source configurations and target AAS configurations (grouped by configuration file, such as server.xml and logging.properties). For each node pair, the left column shows the source middleware configuration and the right column shows the converted target AAS configuration; the corresponding AAS configuration path is shown in the upper-right corner (for example, `/config/endpoints[1]/endpoint[1]`).

The screenshot displays the Apusic Migration Tool V0.1 interface. The top navigation bar includes the tool name, version, and a user login status (admin). The main content area is divided into several sections:

- Project Summary:** Shows the migration project "OA系统迁移 / 查看". It includes a progress bar at 100% and a status of "成功" (Success).
- Application Information:** A table listing application details:

应用名称	类型	组件数	源上下文路径	目标上下文路径
ssm-emp	WAR	-	/ssm-emp	/ssm-emp
- Configuration Comparison:** A section titled "配置对比" showing a comparison between the source configuration (Tomcat 9) and the target configuration (AAS v10.0.8). It lists 13 nodes for comparison. The first node is "server.xml", which is further detailed in a table:

源 Tomcat - Resource	目标 AAS - resource
auth: Container	auth: Container
description: User database that can be updated and saved	description: User database that can be updated and saved
factory: org.apache.catalina.users.MemoryUserDatabaseFactory	factory: com.apusic.ams.users.MemoryUserDatabaseFactory
name: UserDatabase	name: UserDatabase
pathname: conf/tomcat-users.xml	pathname: conf/aas-users.xml
type: org.apache.catalina.UserDatabase	type: com.apusic.ams.UserDatabase

After migration has been executed, the lower part of the view page also displays:

- **Migration Phases:** the execution status of the three phases — Prepare Deployment, Execute Migration, and Verification;

View page elements:

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Application Information	Application name	The application name discovered by scanning; read-only.
Application Information	Type	The application package type, for example WAR; read-only.
Application Information	Source/Target context path	The context path of the application on the source middleware and on the target AAS; read-only and kept consistent by default.

All information on the view page is read-only. To modify the target AAS information, verification rules, or target configuration values, go to the edit page via "More → Edit" on the list page.

5.2.6 Editing a Project and Adjusting Configuration

Click "More → Edit" on the list page to open the edit page. The edit page allows you to adjust the target AAS information and verification rules and to modify target configuration values directly in the configuration comparison. Click **Save Changes** in the upper-right corner to apply the changes (changes to the target AAS information and verification rules are saved to the project immediately).

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目标中间件 (AAS) 信息

目标 AAS 版本

AAS 安装目录

健康检查 URL

AAS v10.0.8 标准版

/home/user01/AAS/0920/AAMS-V10.0.8

/

验证规则 (迁移完成后自动校验)

☒ 验证 AAS 启动
☒ 验证应用部署
☒ 验证健康检查

修改目标 AAS 信息和验证规则后会立即保存到项目

应用信息 (源配置扫描结果, 目标上下文路径与组件名称必填)

应用名称	类型	组件数	源上下文路径	目标上下文路径
ssm-emp	WAR	-	/ssm-emp	/ssm-emp

配置对比

13 个节点对

server.xml

server-Server-GlobalNamingResources-Resource

源 Tomcat - Resource

auth

Container

description

User database that can be updated and saved

factory

org.apache.catalina.users.MemoryUserDatabaseFactory

name

UserDatabase

pathname

conf/tomcat-users.xml

type

org.apache.catalina.UserDatabase

目标 AAS - resource

auth

Container

description

User database that can be updated and saved

factory

com.apusic.ams.users.MemoryUserDatabaseFactory

name

UserDatabase

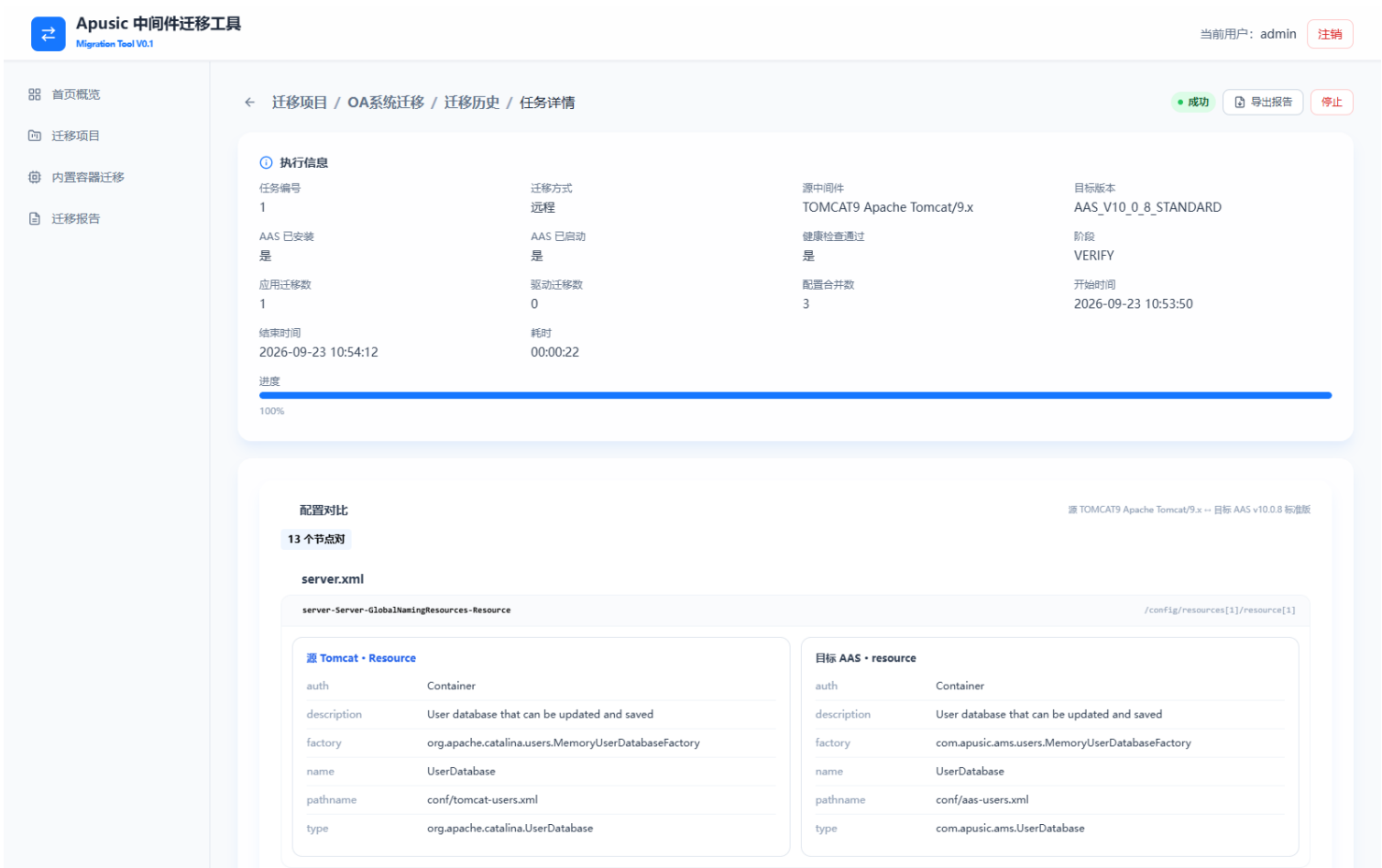
pathname

conf/aas-users.xml

Edit page fields:

Element Name	Parameter	Description
Target Middleware (AAS) Information	Target AAS version	A drop-down list for the target AAS version, allowing you to switch among AAS v10.0.8 / v10.0.10 / v10.0.11 Standard Edition. By default, it uses the version determined when the project was created (smart recommendation or manual selection).
Target Middleware (AAS) Information	AAS installation directory	The actual installation/deployment directory of the target AAS on the machine hosting the tool. By default, it uses the deployment directory entered at creation time and can be modified.
Target Middleware (AAS) Information	Health check URL	The health check probe address, which must be configured according to the actual environment, in the form <code>http://<IP>:<port>/</code> . The default is <code>/health</code> . This item has no effect when "Verify health check" is unchecked.
Verification Rules	Verify AAS startup	When selected, the migration verification phase starts the target AAS instance and validates the startup result. Selected by default.
Verification Rules	Verify application deployment	When selected, validates the deployment status of each application on the target AAS. Selected by default.
Verification Rules	Verify health check	When selected, probes whether AAS is alive through the health check URL. Selected by default.
Configuration Comparison	Target configuration values	Each property value in the right column of the configuration comparison (the target AAS side) is an editable input box; modifications are saved together with "Save Changes". The source configuration in the left column is read-only.

Configuration comparison editing area (the target AAS side provides editable input boxes):



Applications migrated	The number of applications successfully deployed to the target AAS in this execution.
Drivers migrated	The number of dependency packages such as JDBC drivers migrated in this execution (source: DRIVER_JAR entries in the copy manifest).
Configurations merged	The number of configuration files merged into the target AAS in this execution.
Elapsed time	The duration from the start to the end of the task (hh:mm:ss).

Configuration comparison snapshot area:

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auth

Container

description

User database that can be updated and saved

factory

org.apache.catalina.users.MemoryUserDatabaseFactory

name

UserDatabase

pathname

conf/tomcat-users.xml

type

org.apache.catalina.UserDatabase

auth

Container

description

User database that can be updated and saved

factory

com.apusic.ams.users.MemoryUserDatabaseFactory

name

UserDatabase

pathname

conf/aas-users.xml

type

com.apusic.ams.UserDatabase

server-Server-Service

/config/servers[1]/server[1]

源 Tomcat • Service

name

Catalina

目标 AAS • server

name

ams-server

server-Server-Service-Connector

/config/endpoints[1]/endpoint[1]

源 Tomcat • Connector

connectionTimeout

20000

port

8080

protocol

HTTP/1.1

redirectPort

8443

目标 AAS • endpoint

connectionTimeout

20000

name

endpoint8080

port

8080

protocol

HTTP/1.1

redirectPort

8443

server-Server-Service-Engine

/config/services[1]/service[1]

源 Tomcat • Engine

defaultHost

localhost

name

Catalina

目标 AAS • service

defaultHost

localhost

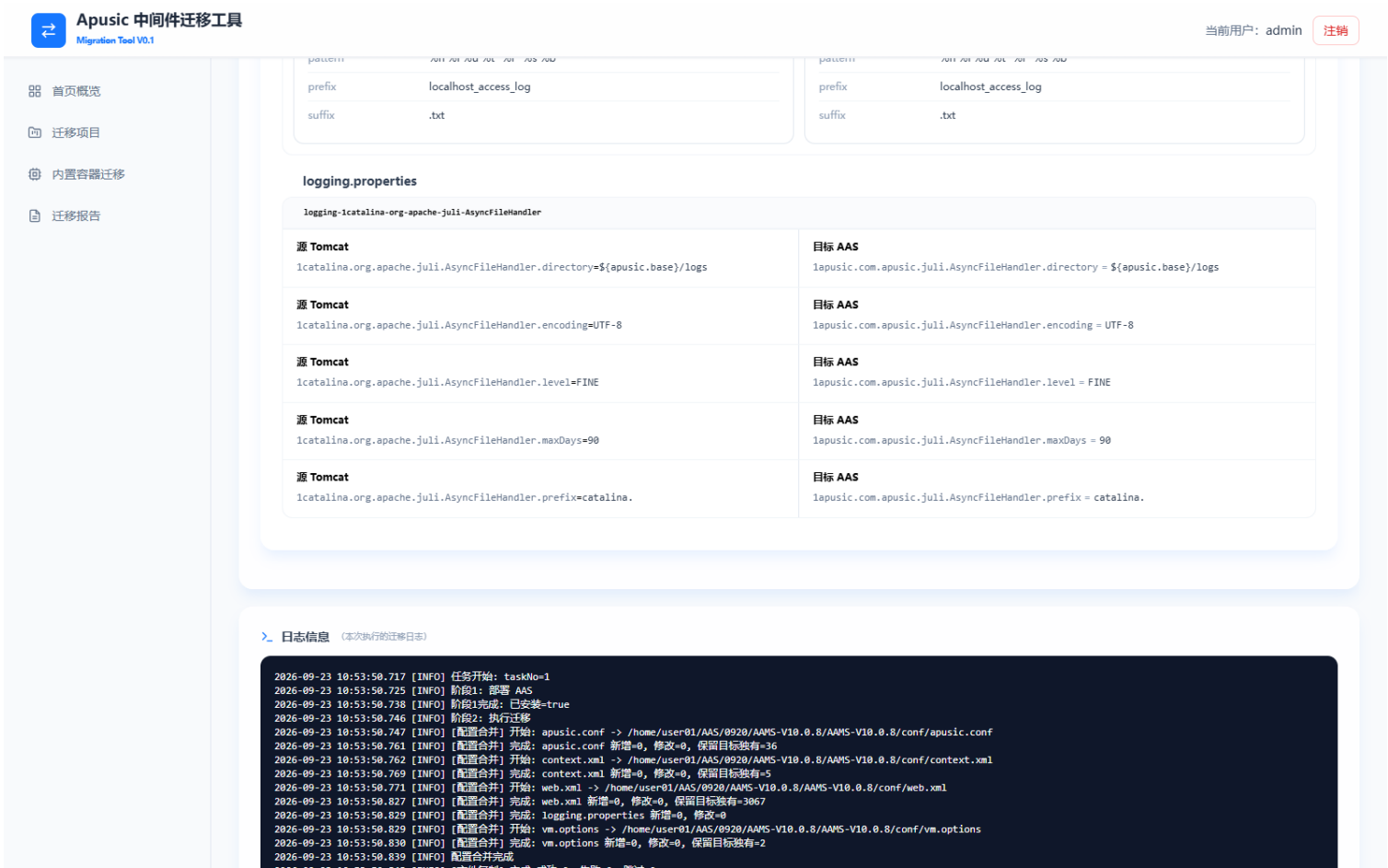
name

ams-service

server-Server-Service-Engine-Realm

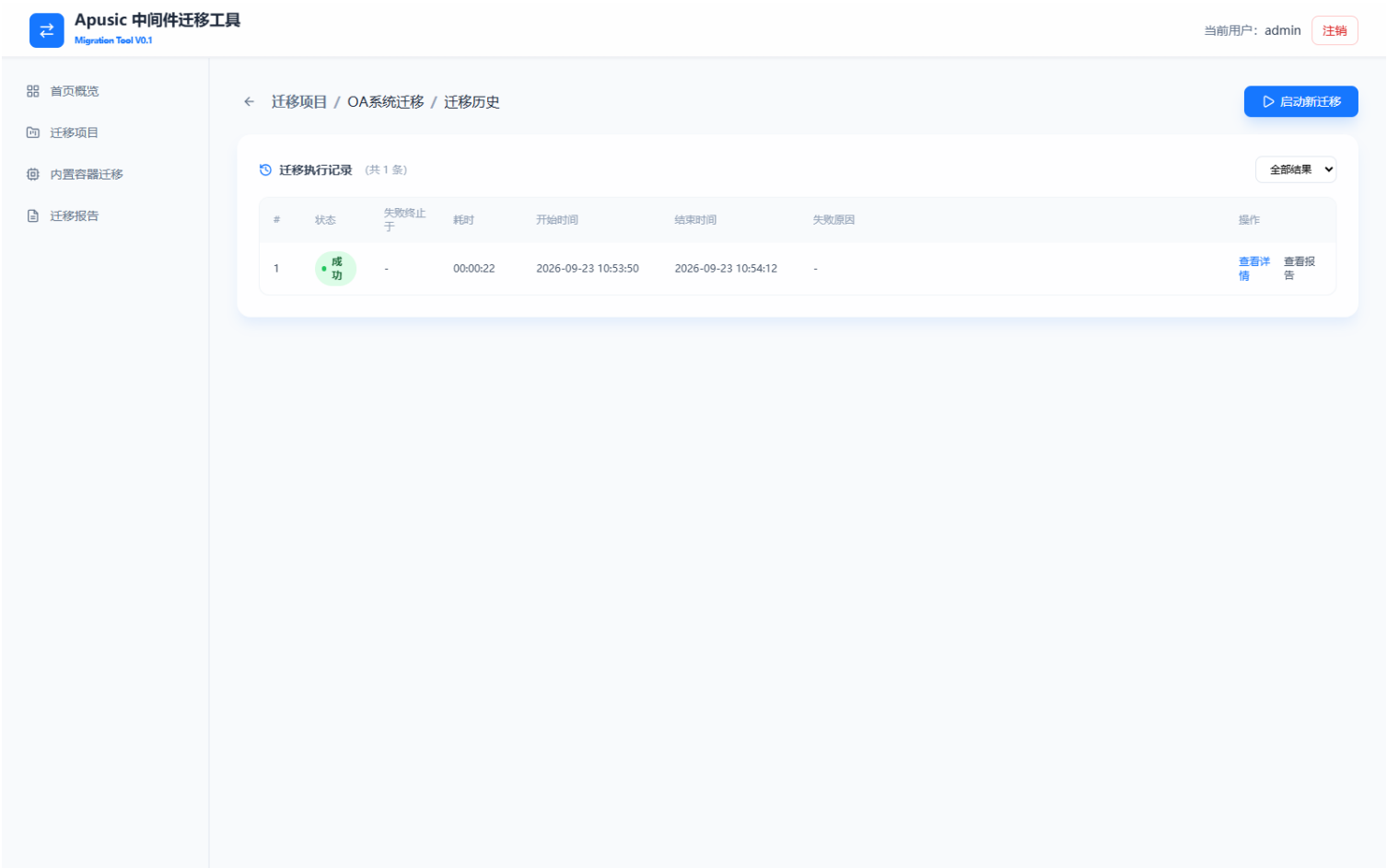
/config/services[1]/service[1]/realm[1]

Log information area (the merge result of each configuration file can be traced line by line):



5.2.8 Migration History

Click "More → Migration History" on the list page, or click **Migration History** on the project view page, to open the execution records page for this project. The page shows the status, the phase in which the task failed or was terminated, the elapsed time, the start/end time, and the failure cause of each task, and supports filtering by result (In Progress / Succeeded / Failed / Terminated). Click **View Details** to open the task details page, or **View Report** to open the migration report page. The **Start New Migration** button in the upper-right corner starts the next migration execution directly.



Migration history list fields:

Element Name	Description
Task number	The task sequence number, incremented from 1 within the project.
Status	The task execution result: In Progress / Succeeded / Failed / Terminated.
Failed/Terminated At	The phase in which the task failed or was terminated; displays "-" on success.
Elapsed time	The task execution duration (hh:mm:ss).
Start time	The task start time (YYYY-MM-DD HH:mm:ss).
End time	The task end time (YYYY-MM-DD HH:mm:ss).
Failure cause	A summary of the cause when the task failed or was terminated; displays "-" on success.
Result	Filter by execution result: All results / In Progress / Succeeded / Failed / Terminated.

5.2.9 Deleting a Project

Click "More → Delete" on the list page to open the delete confirmation dialog, which states "This operation will also delete the database record and the locally generated configuration files, and cannot be undone." Click **Confirm Delete** to remove the project and its runtime artifacts, or **Cancel** to abandon the operation.

⚠ *Deleting a project cannot be undone, and it does not affect AAS instances already installed in the target deployment directory. Proceed with caution.*

➡

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● 扫描中/执行中

● 成功

● 失败

● 已终止

项目名称	源中间件	目标版本	迁移方式	状态	创建时间	操作
OA系统迁移	Apache Tomcat 9 Apache Tomcat/9.x	AAS v10.0.8 标准版	远程	成功	2026-09-23 09:49	扫描 查看 迁移 更多

删除迁移项目

确定要删除项目「OA系统迁移」吗?

此操作将同时删除数据库记录和本地生成的配置文件,且不可恢复,请谨慎操作。

取消

确认删除

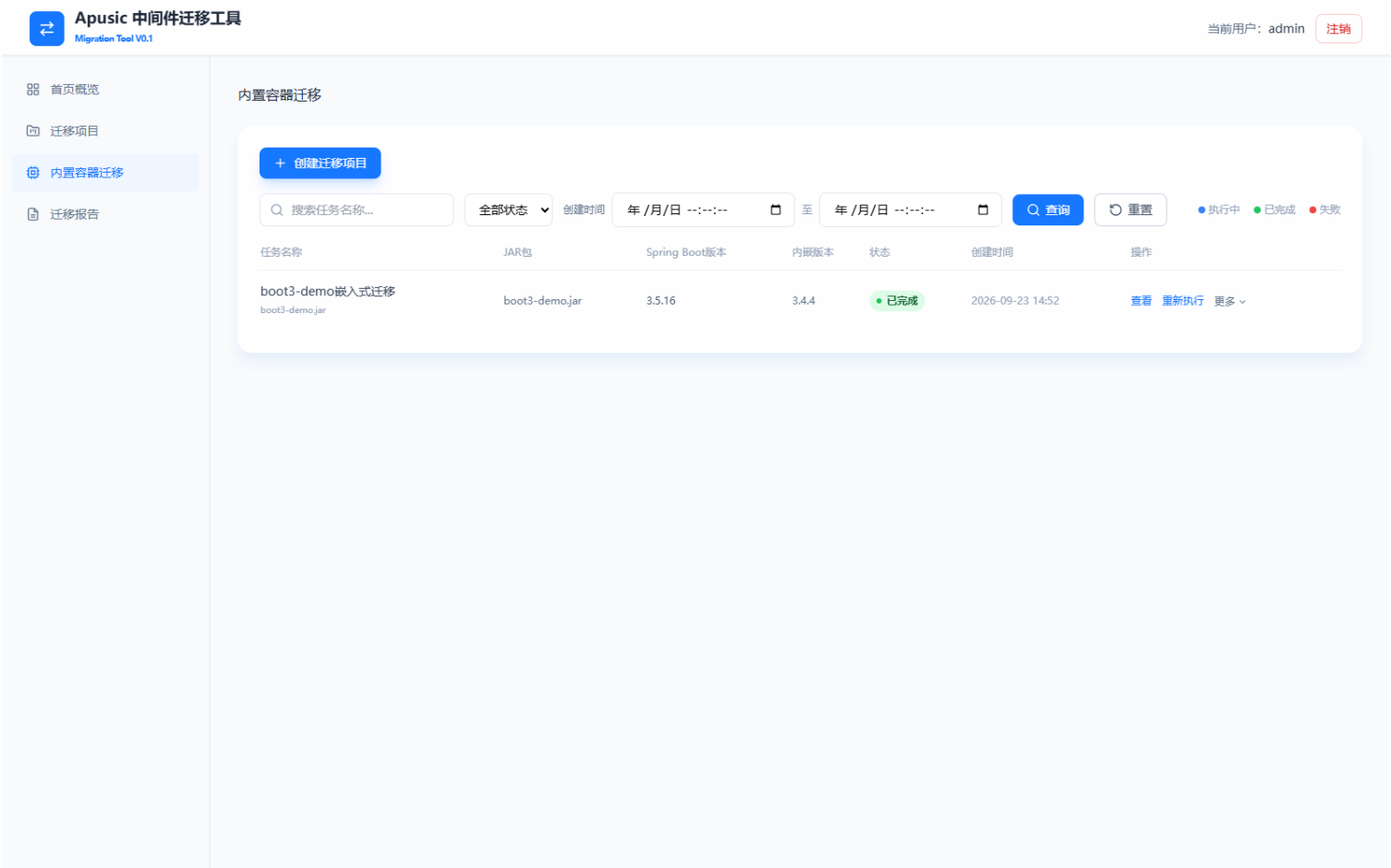
5.3 Embedded Container Migration

Embedded Container Migration is used to convert and adapt Spring Boot executable JAR packages (with embedded containers such as Tomcat) into the AAS embedded runtime format. It requires no migration project and is completed independently on a per-task basis.

5.3.1 Task List

Click **Embedded Container Migration** in the left navigation bar to open the task list page. The list shows the name, JAR package, Spring Boot version, embedded version, status, and creation time of each task, and supports filtering by task name keyword, status (In Progress/Completed/Failed), and creation time range. Click **Create Migration**

Project to start a new conversion task. When there are no tasks yet, the list displays the empty-state message "No migration tasks. Click 'Create Migration Task' to start."



Task list fields and filter conditions:

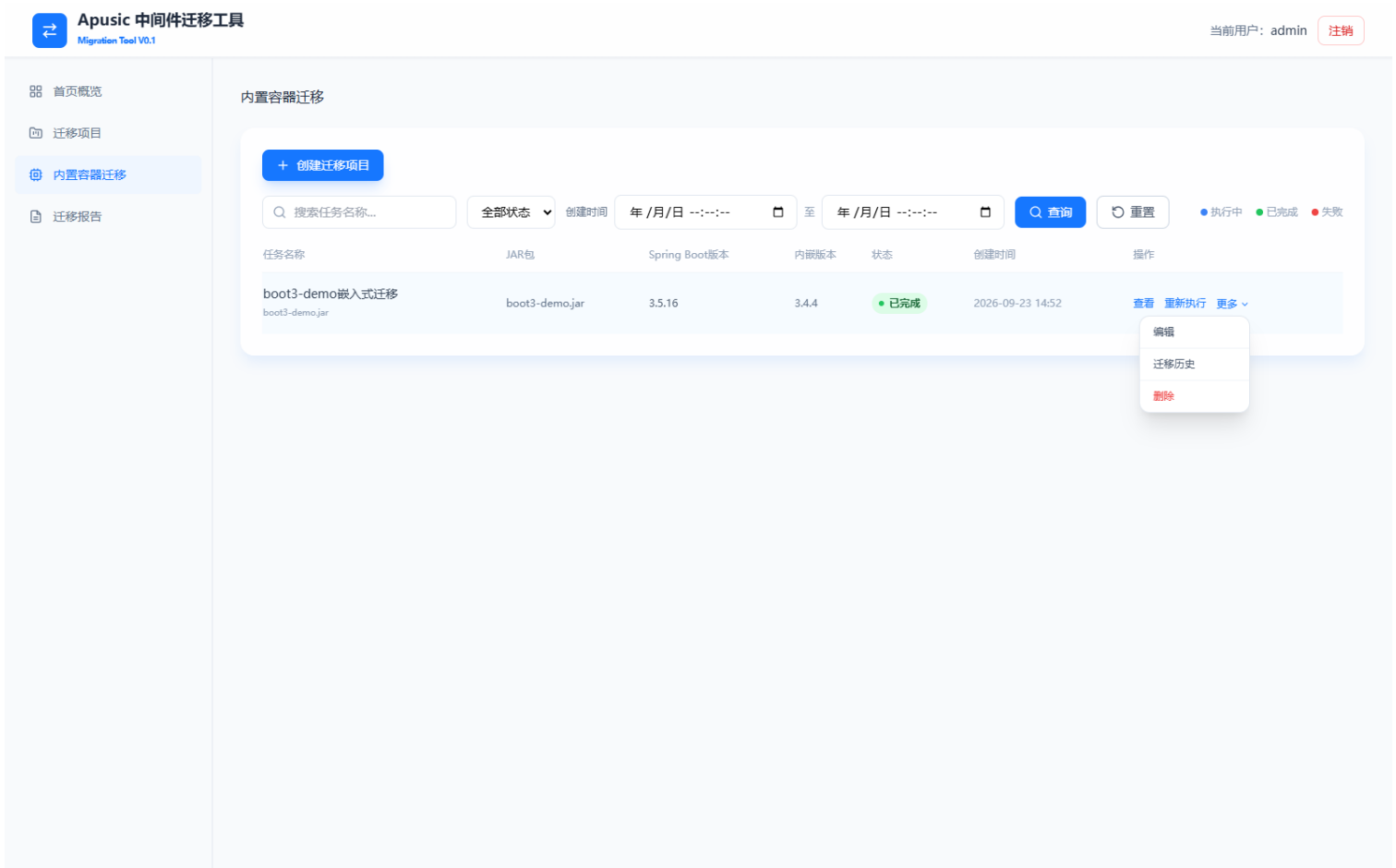
Parameter	Description
Task name	Fuzzy search by task name keyword. Click Search to apply; click Reset to clear all filter conditions.
Status	Filter by task status: All statuses / In Progress / Completed / Failed.
Creation time range	Filter by the start and end of the task creation time range (accurate to the second).
Status legend	The legend in the upper-right corner of the list, indicating the color code for each task status. Available statuses are In Progress / Completed / Failed.
Task name	The display name of the task, with the source JAR package file name shown below it.
JAR package	The file name of the Spring Boot executable JAR package to be converted.

Spring Boot version	The Spring Boot version of the source JAR package, detected or entered when the task was created.
Embedded version	The version of the AAS embedded starter after conversion (generated after the task runs).
Status	The current task status: In Progress / Completed / Failed.
Creation time	The creation time of the task (accurate to the minute).
Create Migration Project	Starts a new JAR package conversion task and opens the creation page (see Creating a Conversion Task).

Task row operations:

Each task row provides **View**, **Re-run**, and **More** operations. The **More** menu contains **Edit**, **Migration History**, and **Delete**:

Operation	Description
View	Opens the task details page to view basic information and the execution log (see Task Details and Execution Log).
Re-run	Executes the conversion again with the current task parameters; the artifact is regenerated and overwrites the existing file in the output path. The execution record is added to the migration history.
More → Edit	Modifies parameters such as the task name, JAR package path, Spring Boot version, and output path.
More → Migration History	Views the past execution records of the task (see Migration History).
More → Delete	Deletes the task and its execution records. A confirmation prompt appears before deletion; the action cannot be undone after confirmation.



5.3.2 Creating a Conversion Task

Prerequisites:

- The Spring Boot executable JAR package to be converted has been uploaded to the machine hosting the tool;
- The output path (artifact output directory) is writable on the machine hosting the tool.

Steps:

1. On the task list page, click **Create Migration Project**;
2. Enter the **Project Name**;
3. The migration type is fixed at **JAR Package Conversion**;
4. Enter the absolute path of the **JAR Package** (you can click **Select JAR Package** to browse the file system of the machine hosting the tool in a dialog and select the file);
5. The **Target Type** is fixed at `jar` ;
6. Select or enter the **Spring Boot Version**: it is detected automatically after the JAR package is selected; if it cannot be detected, enter the version number manually;
7. Enter the **Output Path** (you can click **Select Directory** to browse and select one). The conversion artifact `{JAR-name}-aams.jar` is generated in this directory;

8. Click **Start Migration** and wait for the task to complete; check the task status on the list page.

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将 Spring Boot JAR 包或源码工程转换适配为 AAS 嵌入式运行格式

* 项目名称

如: 订单服务嵌入式迁移

1-128 个字符, 全局不可重复

* 迁移类型

JAR 包转换

将 Spring Boot 可执行 JAR 包转换为 AAS 嵌入式运行格式

* JAR 包

如: /opt/springboot-apps/order-service.jar

选择JAR包

Spring Boot 可执行 JAR 的绝对路径, 须以 .jar 结尾

* 目标类型

jar

* Spring Boot 版本

如: 3.2.x(>=3.2.4)

导入 JAR 包或项目目录后自动识别, 未识别时可手动输入版本号

* 存放路径

如: D:\apusic\aaS10\embed 或 /opt/apusic/aaS10/embed

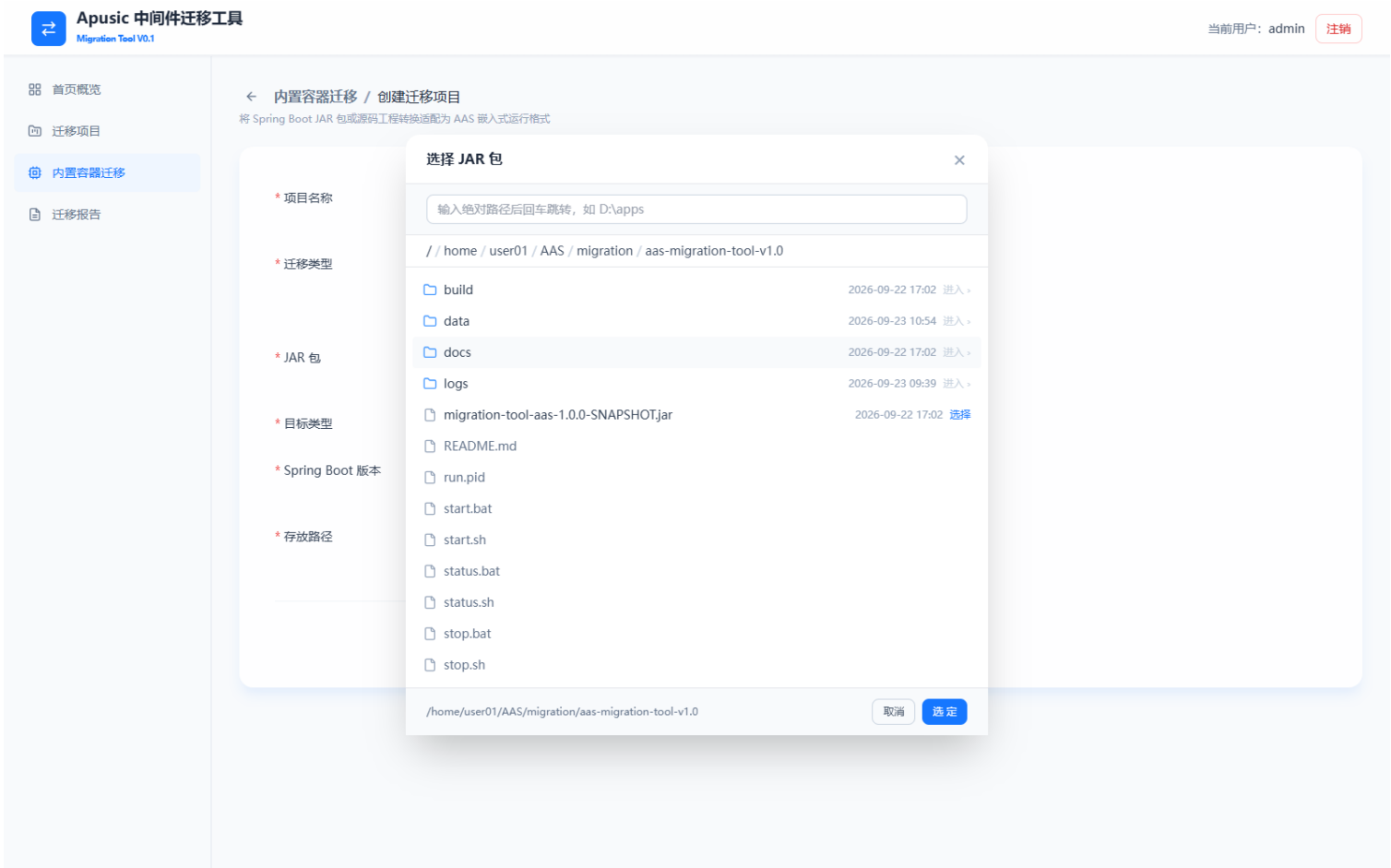
选择目录

转换产物 (JAR名)-aams.jar 将生成在此目录

取消

开始迁移

The "Select JAR Package" dialog browses the file system of the machine hosting the tool: you can type an absolute path in the input box and press Enter to jump to it, click "Enter" on a directory to browse level by level, click "Select" on a JAR file to select it directly, or click "Select" to use the current path.



Detailed field descriptions:

Element Name	Parameter	Description
Project Name	Project Name	The display name of the conversion task, for example "Order Service Embedded Migration". Required, 1–128 characters, and globally unique.
Migration Type	JAR Package Conversion	Converts a Spring Boot executable JAR package into the AAS embedded runtime format. Fixed to this type in the current version.
JAR Package	JAR package path	The absolute path of the Spring Boot executable JAR on the machine hosting the tool ; it must end with <code>.jar</code> . Required. It can be entered manually or selected through the "Select JAR Package" dialog.
Target Type	jar	The target type of the conversion artifact. Fixed at <code>jar</code> in the current version.
Spring Boot Version	Spring Boot version	The Spring Boot version of the JAR package to be converted, for example <code>3.2.x</code> ($\geq 3.2.4$). Required; it is detected automatically and filled in after the JAR package is selected, and if it cannot be detected you can select it from the drop-down list or enter the version number manually. The version

		number is used to match the adaptation rules of the AAS embedded runtime.
Output Path	Output path	The output directory for the conversion artifact <code>{JAR-name}-aams.jar</code> (an absolute path on the machine hosting the tool), for example <code>D:\apusic\aaS10\embed</code> OR <code>/opt/apusic/aas10/embed</code> . Required. It can be entered manually or selected through the "Select Directory" dialog.

After conversion completes, deploy the artifact `{JAR-name}-aams.jar` to the target AAS environment to run it.

5.3.3 Task Details and Execution Log

Click **View** on the task list to open the task details page. The upper part of the page shows **Basic Information** and the lower part shows the **Execution Log**. The task status indicator is displayed in the upper-right corner, along with a **Re-run** button.

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● 已完成

🔄 重新执行

基本信息

任务名称	boot3-demo嵌入式迁移	Spring Boot 版本	3.5.16
JAR包	boot3-demo.jar	内嵌 starter 版本	3.4.4
JAR包目录	/home/user01/AAS/migration/samples/boot3-demo.jar	存放路径	/home/user01/AAS/migration/samples/embed-out
产物路径	/home/user01/AAS/migration/samples/embed-out/boot3-demo-aams.jar	创建时间	2026-09-23 14:52
完成时间	2026-09-23 14:52		

执行日志

```
2026-09-23 14:52:19.290 [INFO] 开始执行内置容器迁移(JAR+JAR): boot3-demo嵌入式迁移
2026-09-23 14:52:19.291 [INFO] 参数校验通过
2026-09-23 14:52:19.297 [INFO] 发现内嵌容器依赖 3 项: tomcat-embed-core-10.1.55.jar, tomcat-embed-el-10.1.55.jar, tomcat-embed-websocket-10.1.55.jar
2026-09-23 14:52:19.297 [INFO] Spring Boot 3.5.16 + AAS starter 3.4.4 (starter-3.4.4)
2026-09-23 14:52:19.297 [INFO] 开始替换内嵌容器依赖并重建 JAR ...
2026-09-23 14:52:20.043 [INFO] 产物已生成并移至存放路径: /home/user01/AAS/migration/samples/embed-out/boot3-demo-aams.jar
2026-09-23 14:52:20.043 [INFO] 任务执行完成, 产物: /home/user01/AAS/migration/samples/embed-out/boot3-demo-aams.jar
```

Basic information fields:

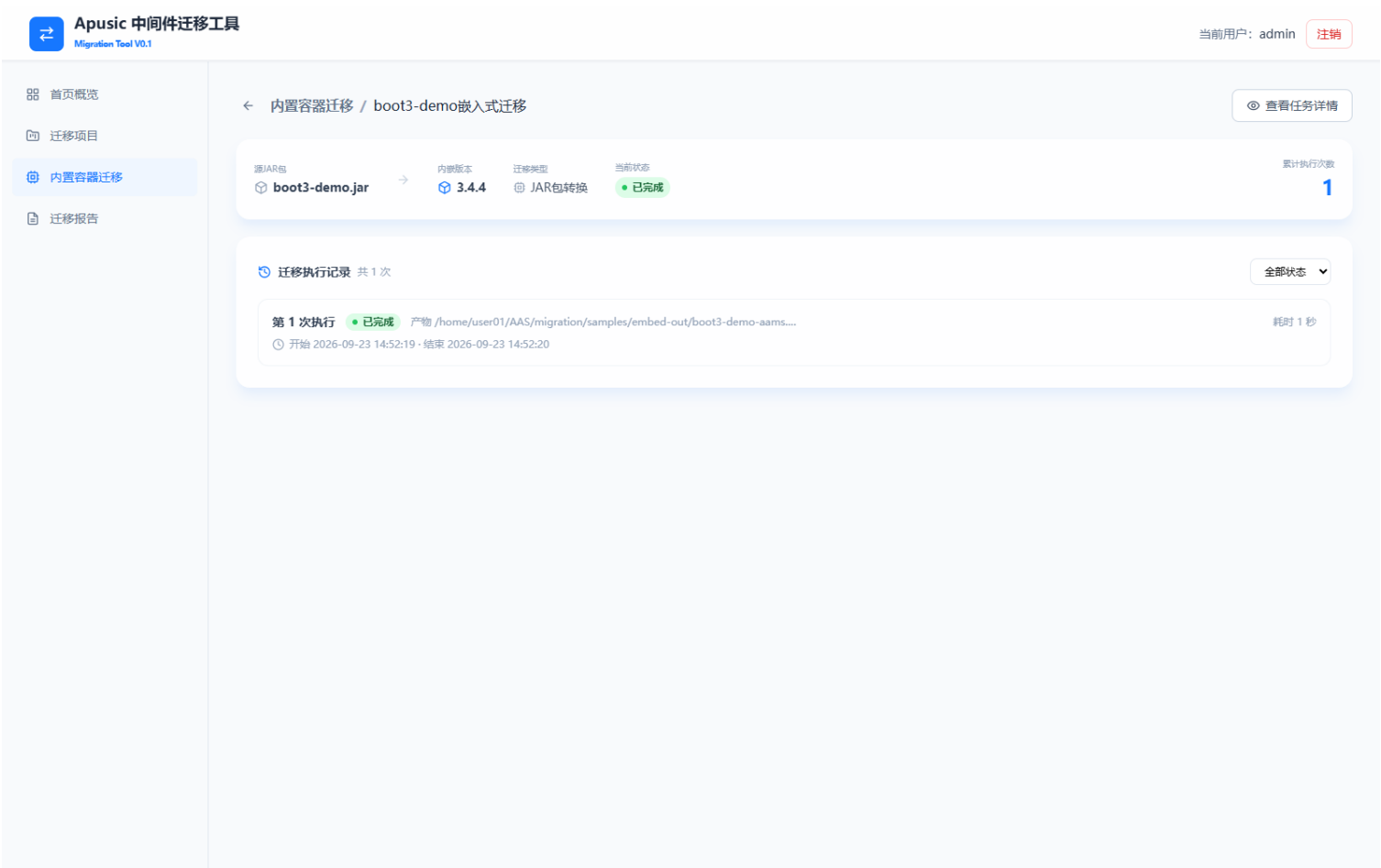
Element Name	Parameter	Description
Task Name	Task Name	The display name of the task.

JAR Package	JAR Package	The file name of the Spring Boot executable JAR package to be converted.
JAR Package Directory	JAR package directory	The absolute path of the source JAR package on the machine hosting the tool.
Artifact Path	Artifact path	The full path of the conversion artifact, that is, <code>{output-path}/{JAR-name}-aams.jar</code> (for example <code>boot3-demo-aams.jar</code>), generated after the task completes.
Completion Time	Completion time	The time at which the most recent conversion execution completed.
Spring Boot Version	Spring Boot version	The Spring Boot version of the source JAR package.
Embedded Starter Version	Embedded starter version	The AAS embedded starter version used by the conversion artifact, matched automatically by the tool according to the Spring Boot version (for example, Spring Boot 3.5.16 matches AAS starter 3.4.4).
Output Path	Output path	The artifact output directory specified when the task was created.
Creation Time	Creation time	The creation time of the task.

The **Execution Log** records the key steps of the entire conversion process in chronological order, including: execution start and parameter validation, discovered embedded container dependencies (such as `tomcat-embed-core` and `tomcat-embed-websocket`), the version matching relationship between the Spring Boot version and the AAS starter version, replacement of embedded container dependencies and JAR rebuilding, and generation of the artifact and its move to the output path. If execution fails, the failure cause is given in the log, based on which you can correct the task parameters and **Re-run**.

5.3.4 Migration History

Click **More → Migration History** on the task list to open the execution history page for that task. The top of the page summarizes the task's source JAR package, embedded version, migration type (JAR Package Conversion), current status, and total run count. Below, the **Migration Execution Records** list the status, artifact path, elapsed time, and start/end time of each execution, with support for filtering by status. Click **View Task Details** in the upper-right corner to return to the task details page.



Migration execution record fields:

Element Name	Parameter	Description
Summary	Source JAR package	The file name of the task's source JAR package.
Summary	Embedded version	The AAS embedded starter version generated by the most recent execution.
Summary	Migration type	Fixed at JAR Package Conversion.
Summary	Current status	The status of the task after its most recent execution.
Summary	Total runs	The total number of conversion executions since the task was created (including re-runs).
Execution record	Run N	Numbered in execution order; the higher the number, the later the execution.
Execution record	Status	The result of this execution: Completed / Failed.

Execution record	Artifact	The path of the artifact file generated by this execution.
Execution record	Elapsed time	The duration of this execution from start to finish.
Execution record	Start/End	The start time and end time of this execution.
Filter condition	All statuses	Filters execution records by execution result.

5.4 Migration Reports

The Migration Reports module consolidates the execution reports of all migration projects and supports online viewing as well as export for archiving. A report is generated per single migration task and its content is read-only.

5.4.1 Report List

Click **Migration Reports** in the left navigation bar to open the report summary page. A report is generated automatically after each migration execution completes (whether successfully or not); **executions that are actively terminated do not produce a report**. The list shows the migration project (including the run number), source middleware, target middleware, result, elapsed time, executing user, and completion time for each execution, and supports filtering by project name keyword, execution result, and completion time range. Each row provides **View Report** and **Export** operations.

Apusic 中间件迁移工具

Migration Tool V0.1

当前用户: admin 注销

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内置容器迁移

迁移报告

迁移报告

迁移执行完成（成功或失败）后自动生成；主动终止的执行不产生报告

Q 搜索项目名称...

全部结果

年/月/日 --:--:-- 至 年/月/日 --:--:--

Q 查询

重置

迁移项目	源中间件	目标中间件	结果	耗时	执行用户	完成时间	操作
OA系统迁移 · 第 1 次执行	Apache Tomcat 9 Apache Tomcat/9.x	AAS v10.0.8 标准版	成功	00:00:22	admin	2026-09-23 10:54:12	查看报告 导出

Report list fields:

Element Name	Parameter	Description
Filter condition	Project name	Fuzzy match by project name keyword.
Filter condition	Result	Filter by execution result: All results / Succeeded / Failed / Terminated.
Filter condition	Completion time range	Filter by the start and end of the completion time range (accurate to the second).
Record list	Migration project	The project name and execution sequence number, for example "OA System Migration · Run 1".
Record list	Source/Target middleware	The source middleware type and version and the target AAS version of this migration.
Record list	Executing user	The login account that initiated this migration execution.

Operation	View Report / Export	Opens the online report page, or exports the report file directly.
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5.4.2 Report Content and Export

The report page content is read-only and consists of the following four parts:

1. **Basic Report Information:** executing user, total elapsed time, migration mode (remote migration includes the SSH target host), and completion time;
2. **Migration Path:** the source middleware (type, version, host, and directory) and the target middleware (AAS version, deployment directory, and health check URL);
3. **Execution Summary:** the item-by-item results of the phase steps (① Deploy AAS → ② Execute Migration → ③ Start and Verify AAS), as well as the application migration list (application name, package type, and migration result marker);
4. **Configuration Information:** the complete configuration comparison (node pairs grouped by configuration file), as well as the list of configuration items not covered by rules.

Apusic 中间件迁移工具
Migration Tool V0.1

当前用户: admin
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成功
[导出 PDF](#)
[导出 DOCX](#)

Apusic 中间件迁移报告

本报告对应单次迁移任务，内容只读

一、报告基本信息

执行用户 admin	总耗时 00:00:22	迁移方式 远程迁移 (SSH • 172.20.140.21)	完成时间 2026-09-23 10:54:12
----------------------	------------------------	---	------------------------------------

二、迁移路径

源中间件 Apache Tomcat 9 Apache Tomcat/9.x (172.20.140.21) 目录: /opt/testzt/tomcat/apache-tomcat-9.0.48	目标中间件 (AAS) AAS v10.0.8 标准版 AAS 部署目录: /home/user01/AAS/0920/AAMS-V10.0.8 健康检查 URL: /
---	--

三、执行总览

阶段步骤

1. 部署 AAS
2. 执行迁移
3. 启动并验证 AAS

应用迁移清单

ssm-emp	WAR	成功
---------	-----	----

四、配置信息

配置对比

13 个节点对

server.xml

源 TOMCAT9 Apache Tomcat/9.x ↔ 目标 AAS v10.0.8 标准版

Apusic 中间件迁移工具

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13 个节点对

server.xml

server-Server-GlobalNamingResources-Resource

/config/resources[1]/resource[1]

源 Tomcat • Resource

authContainer

User database that can be updated and saved

org.apache.catalina.users.MemoryUserDatabaseFactory

UserDatabase

conf/tomcat-users.xml

org.apache.catalina.UserDatabase

目标 AAS • resource

authContainer

User database that can be updated and saved

com.apusic.ams.users.MemoryUserDatabaseFactory

UserDatabase

conf/aas-users.xml

com.apusic.ams.UserDatabase

server-Server-Service

/config/servers[1]/server[1]

源 Tomcat • Service

nameCatalina

目标 AAS • server

nameams-server

server-Server-Service-Connector

/config/endpoints[1]/endpoint[1]

源 Tomcat • Connector

connectionTimeout20000

8080

HTTP/1.1

8443

目标 AAS • endpoint

connectionTimeout20000

endpoint8080

8080

HTTP/1.1

8443

server-Server-Service-Endpoint

/config/servlets[1]/servlet[1]

Click **Export PDF** or **Export DOCX** in the upper-right corner of the report page to download a report file with the same content as the online page, for archiving or delivery.

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UNIFIED SERVICE HOTLINE

4008-555-800

Kingdee Apusic Cloud Computing Co., Ltd. (referred to as “Kingdee Apusic”) was founded in 2000. Its predecessor was “Kingdee Middleware Company.” It is a basic software platform provider under Kingdee Group, a national standards-setting enterprise for cloud computing, and a core software enterprise in the national IT application innovation industry. Kingdee Apusic is an enterprise undertaking the National 863 Key R&D Program and the National Major Science and Technology Project for Core Electronic Components, High-end General-purpose Chips and Fundamental Software, and is also a basic platform provider for the national key projects of “Two Networks, One Website, Four Databases, and Twelve Golden Projects.” Its products are widely used in key industries such as government, military, finance, and energy, and it has cumulatively served more than 100,000 customers.



National standard setter for cloud computing
Basic software enterprise under Kingdee Group
Core enterprise for IT application innovation
Website: www.apusic.com

