

Installation Guide

Accxia ARC-M Regupedia Interface

This guide describes the complete installation of the **Accxia ARC-M Regupedia Interface** on a Linux server. The application synchronises Regupedia regulations into Jira (Data Center and Cloud) and runs as a systemd service behind a TLS reverse proxy. Tested on **Ubuntu 26.x (Server)**.

1 Prerequisites

Operating system

- Linux with **systemd**, 64-bit. Tested on **Ubuntu 26.x Server** (other current Debian/Ubuntu releases generally work as well).
- root / sudo** access for the installation.

Software

The installer **checks the prerequisites automatically** and offers to install missing packages via apt (confirm with **y**; choosing **n** aborts the install). Required:

- python3** (version 3.11 or newer) — runtime.
- python3-venv** — for the isolated virtual environment (incl. pip).
- rsync** — recommended for rolling out the code (a fallback exists).
- curl** — recommended, used for the final health check.
- systemd / systemctl** — required; without systemd the installer aborts.

Optional manual pre-install, if preferred:

```
sudo apt update
sudo apt install -y python3 python3-venv rsync curl
```

Network & environment

- Reverse proxy with TLS** (e.g. HAProxy) — to be provided by the customer. The service listens locally only, on `127.0.0.1:8346`.
- Outbound HTTPS access** from the server to Regupedia and to the target Jira (Cloud `*.atlassian.net` or your Data Center URL).
- An Accxia **license key** — without a valid license the functions are disabled (no data is deleted).

2 Installation directories

The installer cleanly separates program code from data, so that updates never touch your data:

<code>/opt/arcm-regupedia/</code>	Code + virtual environment	(replaced on update)
<code>/var/lib/arcm-regupedia/</code>	State	(preserved across updates)
-- <code>instance/</code>	database, key (<code>secret.key</code>)	
-- <code>data/</code>	Regupedia downloads per sync target	
'-- <code>config/</code>	mappings.json, customfields.json (seeded once, editable)	

- Service user **automation** (system user without login shell, created automatically).

- systemd service **arcm-regupedia.service**, gunicorn with a single worker (must stay 1: one scheduler + one SQLite writer).
- Hardening: /opt is read-only to the service; only /var/lib/arcm-regupedia is writable.

3 Step-by-step installation

Step 1 — Unpack the release

Unpack the release archive delivered by Accxia on the server and change into the directory:

```
unzip accxia-arcm-regupedia-vX.Y.Z-BETA.zip
cd arcm-regupedia
```

Step 2 — Run the installer

The installer checks the prerequisites, creates the user, virtual environment and systemd service, starts the service and runs a health check:

```
sudo ./deploy.sh
```

If packages are missing, the installer asks whether to install them (**y/N**). At the end it reports `Listening on 127.0.0.1:8346`.

Step 3 — Note the admin password

On the **first** deploy an **admin** user is created with a **randomly generated password** that is printed **once** to the output. Copy it immediately — it is not stored in clear text and can only be reset:

```
sudo -u automation ARCM_INSTANCE_DIR=/var/lib/arcm-regupedia/instance \
/opt/arcm-regupedia/.venv/bin/python /opt/arcm-regupedia/manage.py \
reset-password admin
```

Step 4 — Set up the reverse proxy (HAProxy)

Make the service reachable over HTTPS by pointing the proxy at 127.0.0.1:8346. Example HAProxy backend (TLS terminated in the frontend):

```
backend arcm_regupedia
    mode http
    option forwardfor
    http-request set-header X-Forwarded-Proto https
    server arcm 127.0.0.1:8346 check
```

Important: HTTPS required

The session cookies are marked *Secure*, so the interface must be reached over HTTPS. Passkey sign-in likewise works only over a real HTTPS domain.

Step 5 — Sign in

Open the server's HTTPS address in a browser and sign in as **admin** with the noted password. Change the password later under *Settings* → *Change password*; optionally register a **passkey**.

Step 6 — Install the license

On the **License** tab, paste the license key received from Accxia and install it. The customer and validity are shown. Without a valid license all functions stay disabled (no data loss); once installed they are available immediately.

Step 7 — Regupedia access & sync targets

- Under **Settings**, enter the Regupedia credentials, the download limit and the batch size.
- Via **Add sync target**, create a connection per Jira target (base URL, project, issue type, Cloud/DC, credentials — stored encrypted).
- If needed, use the **Migration** tab to create the custom fields and add them to the screen; for the initial load use the **Initial load** with the file provided by Regupedia.
- Under **Settings** → **Timers**, add as many timers (time + sync target) as you like for automatic synchronisation.

4 Operation & maintenance

Updates

Unpack the new release and run the installer again. Code and dependencies are refreshed; the database, keys, settings, history and downloads in `/var/lib` are left untouched:

```
unzip accxia-arc-m-regupedia-vX.Y.Z-BETA.zip
cd arc-m-regupedia
sudo ./deploy.sh
```

Manage the service

```
systemctl status arc-m-regupedia      # status
systemctl restart arc-m-regupedia     # restart
journalctl -u arc-m-regupedia -n 100  # logs
```

Backup

Back up the entire `/var/lib/arc-m-regupedia` directory, in particular `instance/secret.key` and the database. Without this key, stored credentials can no longer be decrypted and must be re-entered.

Without a valid license

If the license expires or is missing, only the functions are disabled — no data is deleted or reset. After installing a valid license everything is immediately active again.

5 Quick checklist

- Ubuntu 26.x with systemd, sudo access available.
- python3 / python3-venv / rsync / curl (checked/installable by the installer).
- Unpack the release → `sudo ./deploy.sh`.
- Save the admin password from the output.
- Point HAProxy/TLS at 127.0.0.1:8346.
- Sign in → install license → configure Regupedia & sync targets → set timers.
- Set up a backup of `/var/lib/arc-m-regupedia`.