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# EX Engage Connector Deployment Guide

Maintenance

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# Maintenance

Once you have deployed and started the EX Engage Connector service, you can upgrade the EXEC services to a new version, monitor the status of containers, and access logs.

## Upgrade EXEC Services

- Ensure that the new container version of EXEC service is available in the docker registry.
- Update the `_TAG` parameters in the `.env` file with the new version of the EXEC service. You can update all or individual EXEC services:

```
EXCS_TAG=100.0.100.0001
EXAS_TAG=100.0.100.0001
EXCP_1_TAG=100.0.100.0001
```

- Run `./bootstrap.py --action update`. This command will download the `.env` and `docker-compose` files from the remote EXEC Service VMs.
  - The script compares the new `.env` file parameters and **docker-compose** files with the files present in remote EXEC service VMs.
  - If the files differ, the bootstrap script will generate backups of the **remote.env** and **docker-compose** files in the respective service VMs under the backup directory.
  - The backed-up filenames will be appended with the current date in the format of "`_ddmmyyyy>`". For instance, `.env_23052023` and `docker-compose-EXAS.yml_23052023`.
  - Update parameters downloaded remote `.env` file to add any newly added parameters or remove any deprecated parameters, and reupload the `.env` file into the respective service VMs.
  - Update parameters downloaded remote `docker-compose` files to add any newly added parameters or remove any deprecated parameters, and reupload the `docker-compose` file into the respective service VMs
- Restart the `exec` services using `start/stop` or `restart` commands for the changes to take effect.

You can also update individual services by using the `--service` option as shown below:

- `./bootstrap.py --action update --service=exas` - Update the EXAS service.
- `./bootstrap.py --action update --service=excs` - Update the EXCS service.
- `./bootstrap.py --action update --service=excp --pair 1` - Update the EXCP service for `excp` pair 1.
- `./bootstrap.py --action update --service=excp --pair 1 --host 1` - Update the EXCP service running on VM host 1 belonging to `excp` pair 1.

## Rollback EXEC Services

After upgrading the EXEC service to a newer version or updating any parameters and if the service is not running as expected then the admin can roll back the service.

- Run `./bootstrap.py --action rollback`. The bootstrap script will find the latest backup of the EXEC service taken during the update operation.
  - The script will copy the `.env` and `docker-composer` files from the backup folder into the **exec** directory.
- Restart the EXEC services using `start/stop` or `restart` commands for the changes to take effect.

You can also rollback individual services by using the `--service` option as shown below:

- `./bootstrap.py --action rollback --service exas` - Roll back `.env` and `docker-compose` file to the pre-update state for the `exas` service.
- `./bootstrap.py --action rollback --service excs` - Roll back `.env` and `docker-compose` file to the pre-update state for the `excs` service.
- `./bootstrap.py --action rollback --service excp --pair 1` - Roll back `.env` and `docker-compose` file to the pre-update state for the `excp` pair 1
- `./bootstrap.py --action rollback --service excp --pair 1 --host 1` - Roll back `.env` and `docker-compose` file to the pre-update state for the `host 1` belonging to `excp` pair 1

## Cleaning up recordings not injected to GC

In some scenarios, recordings may fail to be injected into the GC. Those recordings are accumulated in two places:

- Recording MCP hosts: in the directory configured in the MCP option `msml.record.irrecoverablerecordpostdir`.
- WebDAV directory where MCP uploads the recordings.

It is recommended that the customers automate a cleanup of those storages.