

# Setting Up the Telegram Bridge

## Configuring Telegram bridge

### On Telegram platform

- Login to [my.telegram.org](https://my.telegram.org) to get a telegram app ID and hash (get from ). You should use a phone number associated to your company.

## Basic config

From the Installer's Integrations page, click "Install" under "Telegram Bridge".

For the provided telegram.yml file, please see the following options:

- `postgres_create_in_cluster`: `true` to create the postgres db into the k8s cluster. On a standalone deployment, it is necessary to define the `postgres_data_path`.
- `postgres_fqdn`: The fqdn of the postgres server. If using `postgres_create_in_cluster`, you can choose the name of the workload.
- `postgres_data_path`: `"/mnt/data/telegram-postgres"`
- `postgres_port`: `5432`
- `postgres_user`: The user to connect to the db.
- `postgres_db`: The name of the db.
- `postgres_password`: A password to connect to the db.
- `telegram_fqdn`: The FQDN of the bridge for communicating with Telegram and using public login user interface.
- `max_users`: Max number of users enabled on the bridge.
- `bot_username`: The username of the bot for users to manage their bridge connectivity.
- `bot_display_name`: The display name of the bot.
- `bot_avatar`: An mx content URL to the bot avatar.
- `admins`: The list of admins of the bridge.
- `enable_encryption`: `true` to allow e2e encryption in bridge.
- `enable_encryption_by_default`: `true` to enable by default e2e encryption on every chat created by the bridge.
- `enable_public_portal`: `true` to give the possibility to users to login using the bridge portal UI.
- `telegram_api_id`: The telegram API ID you got from telegram platform.

- `telegram_api_hash`: The telegram api hash you got from telegram platform.

For the specified `telegram_fqdn`, you will need to provide a crt/key PEM encoded key pair in `~/.element-enterprise-server/config/legacy/certs` prior to running the installer. If our hostname were `telegram.airgap.local`, the installer will expect to find `telegram.airgap.local.crt` and `telegram.airgap.local.key` in the `~/.element-enterprise-server/config/legacy/certs` directory. If you are using Let's Encrypt, you do not need to add these files.

You will need to re-run the installer after making changes for these to take effect.

# Usage

- Talk to the telegram bot to login to the bridge. See [Telegram Bridge](#) starting at "Bridge Telegram to your Element account". Instead of addressing the bot as that document explains, use "`@bot_username:domain`" as per your setup.

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