

# Weights & Biases aka wandb @CINECA Clusters

Weights & Biases is the machine learning platform for developers to build better models faster.

<https://wandb.ai/site>

## Offline Mode

wandb offline mode must be used on a compute node of CINECA cluster.

The following methods can be used to enable offline mode:

- In your application initialize wandb by setting the mode option to "offline":

```
wandb.init(mode="offline")
```

- Set the `WANDB_HOME` environment variable to offline with one of the following methods:

```
◦ export WANDB_MODE=offline
◦ os.environ['WANDB_MODE'] = 'offline'
```

- use wandb command:

```
wandb offline
```

## How to synchronize with wandb cloud

Use `wandb sync` command to synchronize with wandb cloud servers.

- To synchronize your metrics to cloud service

```
wandb sync YOUR_RUN_DIRECTORY
```

- To synchronize all unsynced runs from local directory:

```
wandb sync --sync-all
```

- To delete all synced runs from local directory:

```
wandb sync --clean
```

see [official docs](#)

## How to change default path for temporary configuration files

To change the default path for saving temporary configuration files, set the environment variable `WANDB_CONFIG_DIR`:

```
export WANDB_CONFIG_DIR=YOUR_PATH
```

see [official docs](#)