



Edge Microgateway

Monitoring and Upgrades

Agenda

- Monitoring
 - Existing Tools
 - Cloud Foundry approach
- Upgrades

Monitoring

Is Microgateway responding?

Which instance is failing?

How much memory is being consumed?

What is the CPU utilization?

What is the error message?

Who receives error notifications?

Monitoring Tools

- There are a host of existing tools that can be used to monitor a Node.js process.
- Typically customers will use their existing tools to monitor the Microgateway.
 - DataDog, New Relic, AppDynamics or ThousandEyes.



Monitoring with Cloud Foundry

Benefits of using Cloud Foundry

- Auto-restarts of containers with failed processes.
- Auto-scaling of containers with significant traffic increases
- [Edgemicro-decorator](#)
 - Developed to decorate an existing service with the Edge Microgateway
 - Designed to run within the same container as the target service

Upgrades

Upgrade Microgateway with a single command:

```
npm install -g edgemicro@2.4.6
```

Always specify a version number (i.e `edgemicro@version`).

- If you use `edgemicro@latest`, then it may download a beta release, which is not what you want in production.

If you are using the container approach then

- Spin up new containers with the new version and
- Remove containers with previous version

Upgrades are easier with tools like Bosh, Cloud Foundry, Chef and Puppet, etc.

Upgrades

- Make sure to copy your custom plugins back out to the [install]/edgemicro/plugins directory
- This process can be scripted with Bosh, Chef, Cloud Foundry, Shell script etc.

THANK YOU