DAY 5

NODEJS

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nomades.ch

TODAY

- Back on yesterday's exercise
- Deployment
 - Nginx front
 - Git
 - > PM2
- Tips and tricks
 - Image upload
 - SocketIO
- Questions

BACK ON YESTERDAY'S EXERCISE

HOW TO

User creation

```
% curl -H "$CTYPE" -d'{"name": "john"}' "$HOST/api/users"
```

Set password

```
% curl -H "$CTYPE" -d'{"password": "0"}' "$HOST/api/users/set-password"
```

Reset password

```
% curl -H "$CTYPE" -d'{"password": "new"}' -user cas:0 "$HOST/api/users/reset-password"
```

Note the -user cas:O used for HTTP Basic Authentication

DEPLOYMENT

NGINX

We use a web server like Nginx or Apache in front of NodeJS applications:

- Cache mechanism
- Load balancing
- SSL certificates

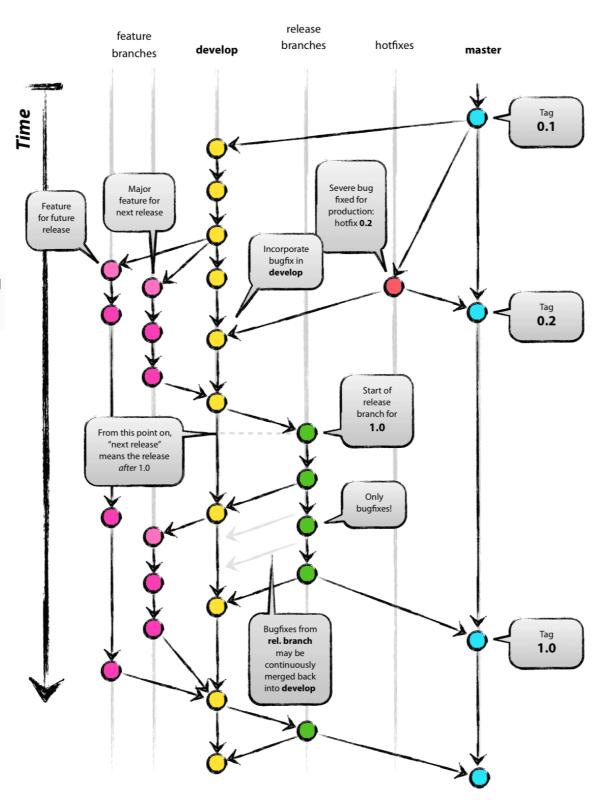
GIT

On dev server

```
% git add .
% git commit -m "My new feature"
% git push
```

On production server

% git pull



PM2

PM2 is a NodeJS process manager

% pm2 start app.js

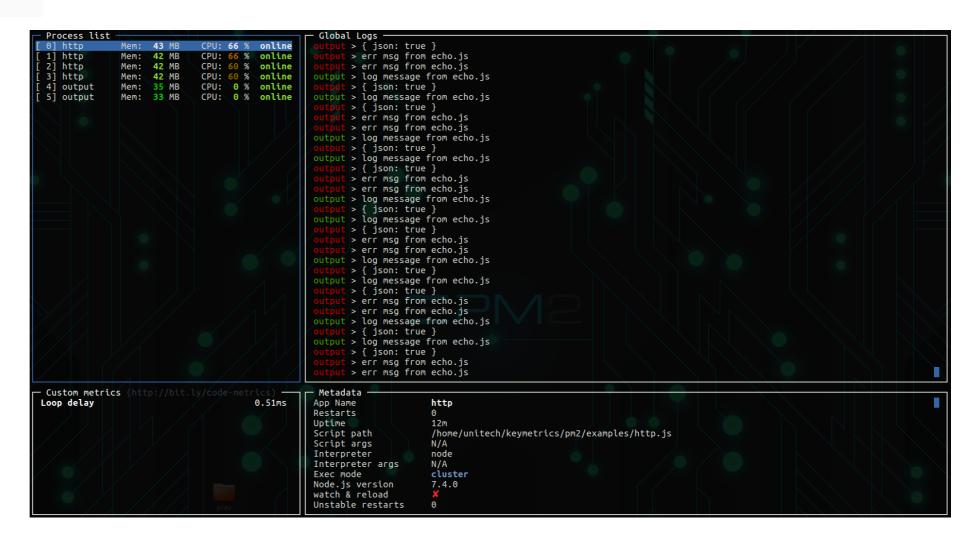
% pm2 stop

% pm2 restart

% pm2 delete

Features

- Monitoring
- Watch
- Clustering



TIPS AND TRICKS

IMAGE UPLOAD

We use the Multer Middleware module for image uploads

```
var express = require('express')
var multer = require('multer')
var upload = multer({ dest: 'uploads/' })

var app = express()

app.post('/profile', upload.single('avatar'), function (req, res, next) {
    // req.file is the `avatar` file
    // req.body will hold the text fields, if there were any
})
```

SOCKET IO

```
var app = require('http').createServer(handler);
var io = require('socket.io')(app);
app.listen(80);
io.on('connection', function (socket) {
  socket.emit('news', { hello: 'world' });
  socket.on('my other event', function (data) {
    console.log(data);
 });
});
```

QUESTIONS?