

# Proxy server for Docker container management

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# Progress report

- Developed
- In testing phase internally at Marand



# Recap of features

- Configurable on start and (partially) at runtime
- Forwards data to containers
- Manages containers
- Executes remote commands
- Logging system

# Configuration

## ports-config.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<ports>
  <server name="test">
    <range start="4000" end="4020" remap="10"/>
  </server>
  <server name="prod">
    <range start="5000" end="5400" remap="200"/>
  </server>
</ports>
```

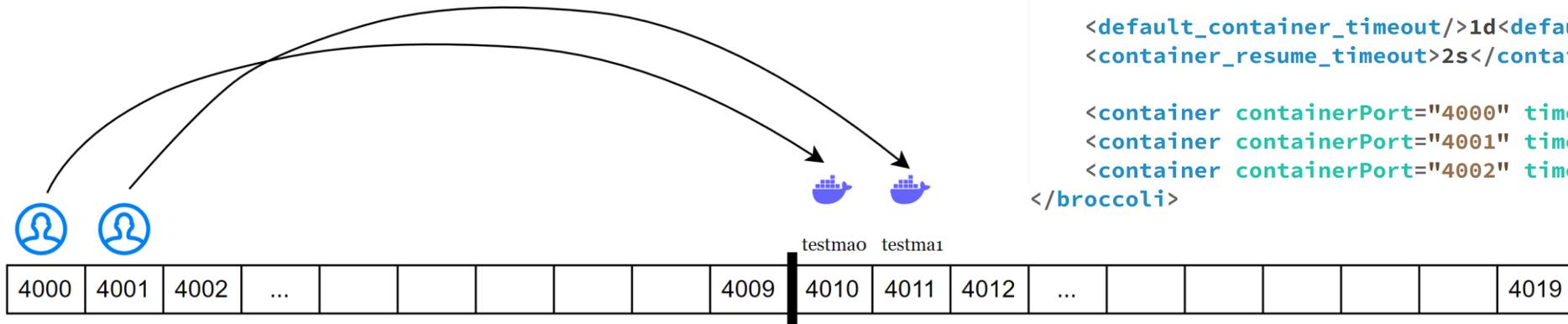
## broccoli-config.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<broccoli>
  <host name="test" url="zajec-docker-test.marand.si">
    <auth username="zajec" keyfile=" path_to_key_file" />
  </host>

  <user_interface>
    <command_interface enable="true" port="777"/>
    <logging_interface enable="true" log4jPort="888"
      clientPort="999"/>
  </user_interface>

  <default_container_timeout/>1d</default_container_timeout/>
  <container_resume_timeout>2s</container_resume_timeout>

  <container containerPort="4000" timeout="5m"/>
  <container containerPort="4001" timeout="5m"/>
  <container containerPort="4002" timeout="5m"/>
</broccoli>
```



← Listening (proxy) ports →      ← Forwarding (container) ports →



# Commands

- *start* starts a proxy server on given port pair
- *disconnect* disconnects all clients on given port
- *stop* shuts down a proxy server running on given port
- *info* prints information and state of server
- *log* connects to server to receive a stream of logs
  
- More about commands in demonstration