



# appNGizer Platform installation guide

Matthias Müller

Build Version 1.23.5-SNAPSHOT created 2021-12-10

# Table of Contents

1. Login .....	1
2. Enable messaging .....	1
3. Set required platform properties for messaging .....	2
4. Create a Repository .....	2
5. Install appng-authentication .....	3
5.1. Make it a hidden privileged application .....	3
6. Install appng-manager .....	4
6.1. Make it a privileged application .....	4
7. Install appng template .....	4
8. Create a Site .....	5
9. Assign applications to the site .....	5
10. Create a user .....	5
11. Restart appNG .....	6
12. Login into Site .....	6
13. Trigger a site reload .....	6

This guide describes how to setup appNG with the appNGizer.

All **PUT** and **POST** requests have to use the header `Content-Type=text/xml`. The single exception is the login, where `text/plain` must be used.

## 1. Login

The appNG platform property `sharedSecret` is needed to login into appNGizer. The client needs to accept cookies to proceed after login.

**URL:** <http://localhost:8080/appNGizer>

**METHOD:** POST

**BODY:**

```
<sharedSecret>
```

## 2. Enable messaging

**URL:** <http://localhost:8080/appNGizer/platform/property/messagingEnabled>

**METHOD:** PUT

**BODY:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<property xmlns="http://www.appng.org/schema/appngizer" name="messagingEnabled">
  <value>true</value>
  <defaultValue>>false</defaultValue>
  <description>Set to true to enable cluster messaging</description>
</property>
```

**URL:** <http://localhost:8080/appNGizer/platform/property/messagingReceiver>

**METHOD:** PUT

**BODY:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<property xmlns="http://www.appng.org/schema/appngizer" name="messagingReceiver">
  <value>org.appng.core.controller.messaging.RabbitMQReceiver</value>
  <defaultValue>org.appng.core.controller.messaging.MulticastReceiver</defaultValue>
  <description>Define messaging implementation by referring class name. Default
method is multicast </description>
</property>
```

## 3. Set required platform properties for messaging

In the example we use RabbitMQ as message broker.

**URL:** <http://localhost:8080/appNGizer/platform/property>

**METHOD:** POST

**BODY:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<property xmlns="http://www.appng.org/schema/appngizer" name="rabbitMQHost">
  <value></value>
  <defaultValue>192.168.0.188</defaultValue>
  <description>the host for RabbitMQ</description>
</property>
```

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<property xmlns="http://www.appng.org/schema/appngizer" name="rabbitMQUser">
  <value></value>
  <defaultValue>appng</defaultValue>
  <description>the user for RabbitMQ</description>
</property>
```

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<property xmlns="http://www.appng.org/schema/appngizer" name="rabbitMQPassword">
  <value></value>
  <defaultValue>s3cr3t</defaultValue>
  <description>the password for RabbitMQ</description>
</property>
```

## 4. Create a Repository

**URL:** <http://localhost:8080/appNGizer/repository>

**METHOD:** POST

**BODY:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<repository xmlns="http://www.appng.org/schema/appngizer" name="Remote">
  <remoteName>pdev0-all</remoteName>
  <uri>http://appng.s-ait-p-dev0.aitintra.de/service/appng/appng-
manager/soap/repositoryService</uri>
  <enabled>>true</enabled>
  <strict>>false</strict>
  <published>>false</published>
  <mode>ALL</mode>
  <type>REMOTE</type>
</repository>
```

## 5. Install appng-authentication

**URL:** <http://localhost:8080/appNGizer/repository/Remote/install>

**METHOD:** PUT

**BODY:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<package xmlns="http://www.appng.org/schema/appngizer" name="appng-authentication">
  <displayName>Authentication</displayName>
  <version>0.9.3</version>
  <timestamp>20150710-1037</timestamp>
  <installed>>false</installed>
  <type>APPLICATION</type>
</package>
```

### 5.1. Make it a hidden privileged application

**URL:** <http://localhost:8080/appNGizer/application/appng-authentication>

**METHOD:** PUT

**BODY:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<application xmlns="http://www.appng.org/schema/appngizer" name="appng-authentication">
  <displayName>Authentication</displayName>
  <core>>true</core>
  <fileBased>>true</fileBased>
  <hidden>>true</hidden>
  <version>0.9.3</version>
</application>
```

## 6. Install appng-manager

URL: <http://localhost:8080/appNGizer/repository/Remote/install>

METHOD: PUT

BODY:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<package xmlns="http://www.appng.org/schema/appngizer" name="appng-manager">
  <displayName>Manager</displayName>
  <version>0.12.1</version>
  <timestamp>20170426-0634</timestamp>
  <installed>>false</installed>
  <type>APPLICATION</type>
</package>
```

### 6.1. Make it a privileged application

URL: <http://localhost:8080/appNGizer/application/appng-manager>

METHOD: PUT

BODY:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<application xmlns="http://www.appng.org/schema/appngizer" name="appng-manager">
  <displayName>Manager</displayName>
  <core>>true</core>
  <fileBased>>true</fileBased>
  <hidden>>false</hidden>
  <version>0.12.1</version>
</application>
```

## 7. Install appng template

URL: <http://localhost:8080/appNGizer/repository/Remote/install>

METHOD: PUT

BODY:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<package xmlns="http://www.appng.org/schema/appngizer" name="appng-template">
  <displayName>appng</displayName>
  <version>0.14.2</version>
  <timestamp>20170620-0832</timestamp>
  <installed>>false</installed>
  <type>TEMPLATE</type>
</package>
```

## 8. Create a Site

**URL:** <http://localhost:8080/appNGizer/site>

**METHOD:** POST

**BODY:**

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<site xmlns="http://www.appng.org/schema/appngizer" name="manager">
  <host>localhost</host>
  <domain>http://localhost:8080</domain>
  <active>>true</active>
</site>
```

## 9. Assign applications to the site

**URL:**

<http://localhost:8080/appNGizer/site/manager/application/appng-authentication>

<http://localhost:8080/appNGizer/site/manager/application/appng-manager>

**METHOD:** POST

**BODY:** <none>

## 10. Create a user

**URL:** <http://localhost:8080/appNGizer/subject>

**METHOD:** POST

**BODY:**

```
<subject xmlns="http://www.appng.org/schema/appngizer" name="admin">
  <realName>appNG Administrator</realName>
  <email>admin@appng.org</email>
  <description></description>
  <digest>@ppNG$42</digest>
  <timeZone>Europe/Berlin</timeZone>
  <language>en</language>
  <type>LOCAL_USER</type>
  <groups>
    <!-- assign user to the built-in Administrators group -->
    <group name="Administrators" />
  </groups>
</subject>
```

## 11. Restart appNG

URL: <http://localhost:8080/appNGizer/platform/reload>

METHOD: POST

## 12. Login into Site

Visit

<http://localhost:8080/manager>

and login with the user created in the step before

## 13. Trigger a site reload

URL: <http://localhost:8080/appNGizer/site/manager/reload>

METHOD: PUT

Visit <http://localhost:8080/manager/manager/appng-manager/sites> to see how the startup time of the manager site changed!