



# appNGizer Setup Guide

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This guide describes how to setup appNGizer.

# 1. Introduction

*appNGizer* is a [REST](#) based webapplication for remote managing an appNG instance.

See the [User Manual](#) for further usage details about how to use appNGizer.

See the [platform installation guide](#) for details about how to setup your appNG instance with appNGizer.

# 2. Prerequisites

- Java 8
- [Apache Tomcat](#) >= 7.x
- an appNG installation (expanded war)

# 3. Configuration

*appNGizer* comes as a packaged webapplication, namely *appNGizer.war*. For installation, unpack this file into the *webapps* directory of your Tomcat installation.

*appNGizer* needs to know the absolute path to the appNG installation it is ought to manage. This path needs to be set in two locations.

## 3.1. web.xml

The first is *WEB-INF/web.xml* as the `<init-param>` named *APPNG\_HOME* of the *appNGizer-servlet*:

```
<servlet>
  <servlet-name>appNGizer</servlet-name>
  <servlet-class>org.appng.appngizer.controller.AppNGizerServlet</servlet-class>
  <init-param>
    <param-name>contextConfigLocation</param-name>
    <param-value>/WEB-INF/appNGizer-servlet.xml</param-value>
  </init-param>
  <init-param>
    <param-name>APPNG_HOME</param-name>
    <param-value>/path/to/tomcat/webapps/ROOT</param-value>
  </init-param>
  <load-on-startup>1</load-on-startup>
</servlet>
```

## 3.2. context.xml

The second location is in `META-INF/context.xml`. Depending on whether you are using tomcat 7 or Tomcat 8, this file has to look different.

### 3.2.1. Tomcat 7

The `virtualClasspath`-attribute of the `<Loader>`-element has to point to `{APPNG_HOME}/WEB-INF/lib/*.jar`, as shown below:

```
<?xml version="1.0" encoding="UTF-8"?>
<Context privileged="true">
  <WatchedResource>WEB-INF/web.xml</WatchedResource>

  <Loader className="org.apache.catalina.loader.VirtualWebappLoader"
    virtualClasspath="/path/to/tomcat/webapps/ROOT/WEB-INF/lib/*.jar" />
</Context>
```

### 3.2.2. Tomcat 8

The `base`-attribute of the `PostResources`-element has to point to `{APPNG_HOME}/WEB-INF/lib`:

```
<?xml version="1.0" encoding="UTF-8"?>
<Context privileged="true">
  <WatchedResource>WEB-INF/web.xml</WatchedResource>

  <Resources>
    <PostResources className="org.apache.catalina.webresources.DirResourceSet"
      webAppMount="/WEB-INF/lib"
      base="/path/to/tomcat/webapps/ROOT/WEB-INF/lib" />
  </Resources>
</Context>
```