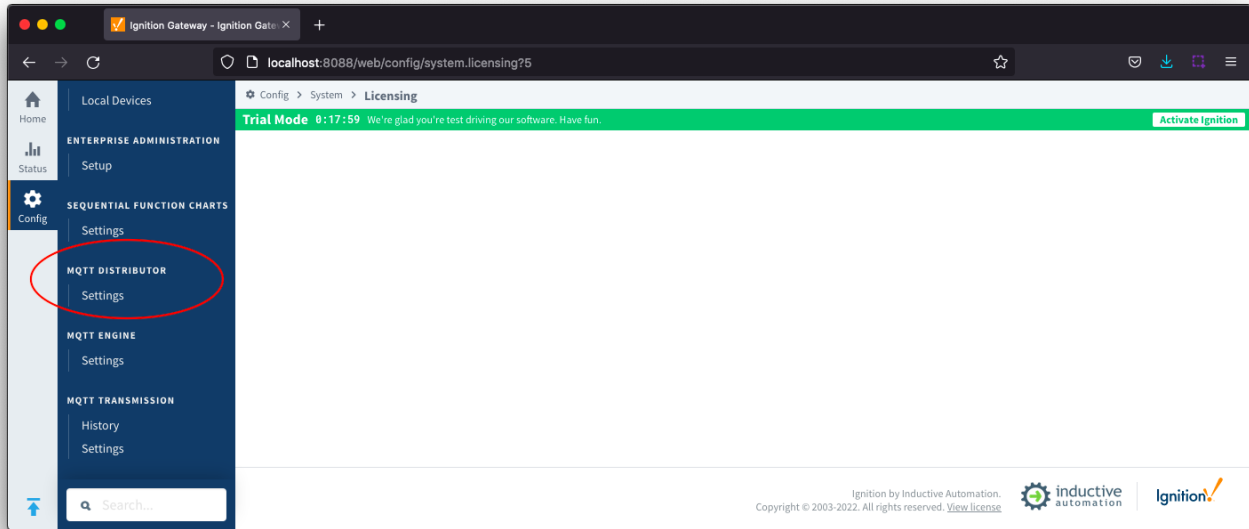


# MD: Configuration

MQTT Distributor provides a configuration section to the Ignition Gateway and this can be seen in the left side bar of the Ignition Gateway web UI.

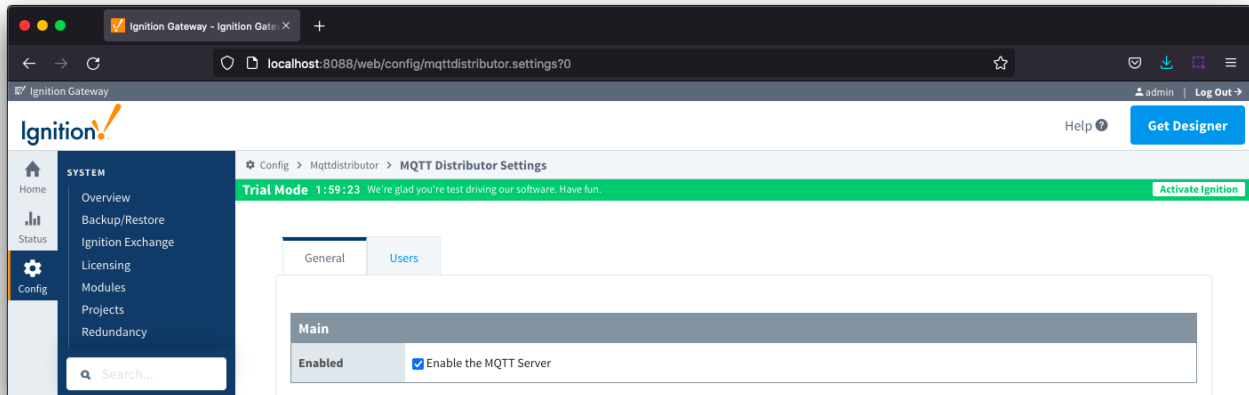


The configuration options for each of the tabs - [General](#) and [Users](#) - are detailed below.

## General

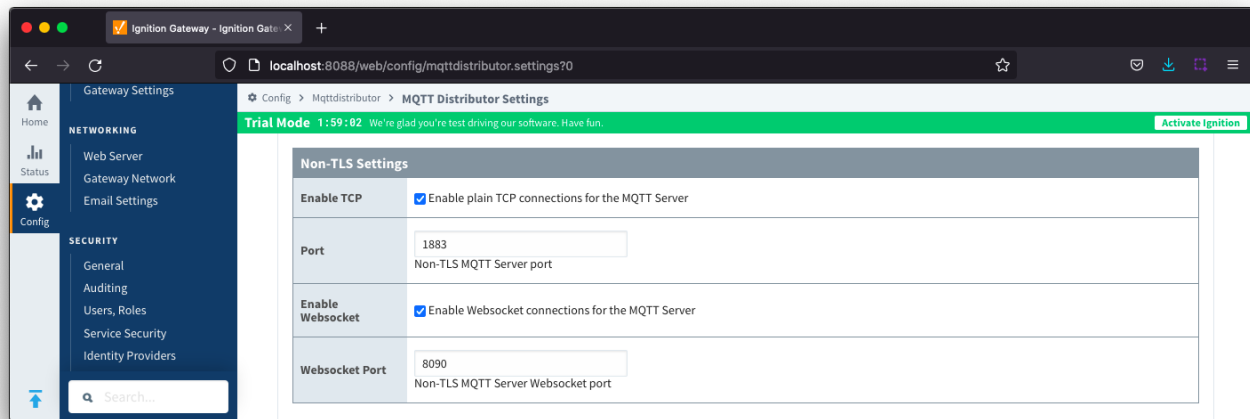
These are the global MQTT Server configuration parameters. The configuration sections available are [Main](#), [Non-TLS Settings](#), [TLS Settings](#) and [Advanced](#).

### General - Main



- **Enabled**
  - This denotes whether or not to enable or disable the MQTT Server functionality of MQTT Distributor

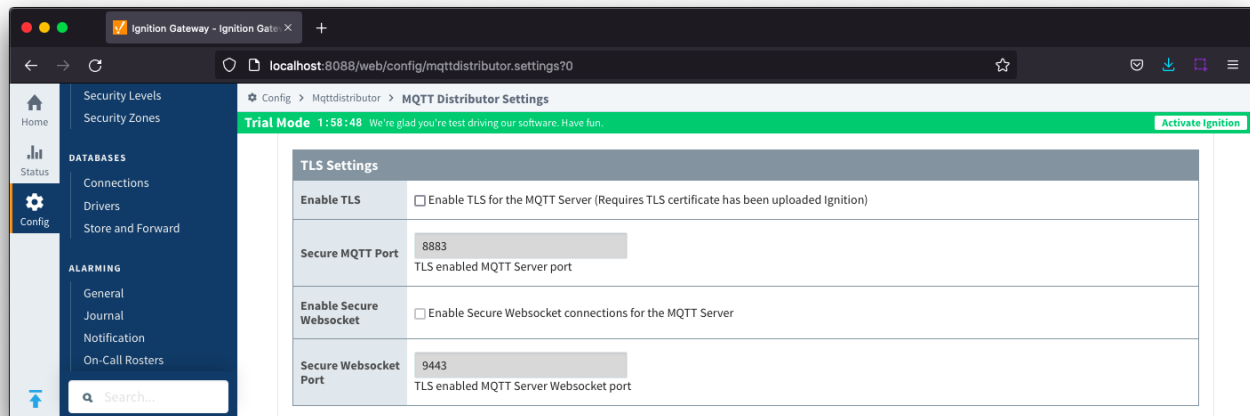
## General - Non-TLS Settings



- **Enable TCP**
  - This denotes whether or not to enable plain TCP connections. This is enabled by default.
- **Port**
  - This is the standard TCP MQTT Server listening port. By default it is port 1883 and is the MQTT reserved port with [IANA](#)
- **Enable Websocket**
  - This denotes whether or not to enable plain Websocket connections. This is enabled by default.
- **Websocket Port**
  - This is the standard Websocket listening port for the MQTT Server. By default this is 8090

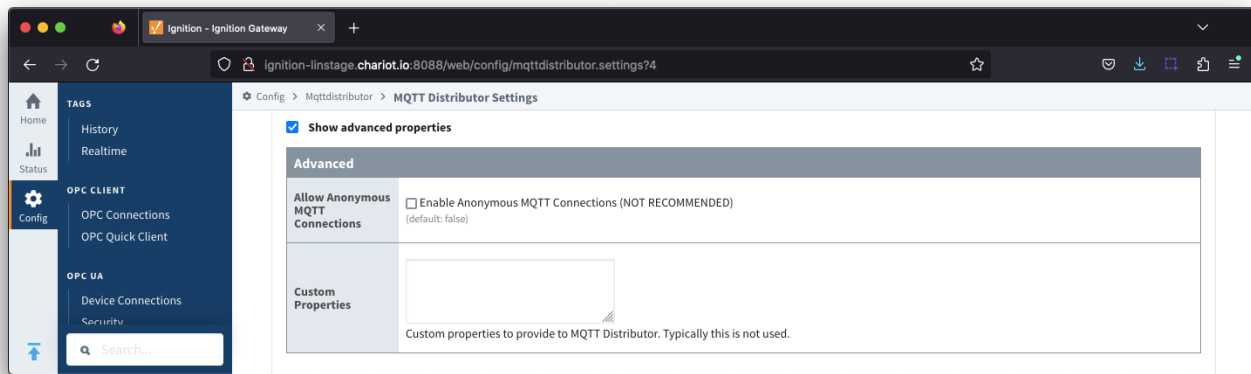
## General - TLS Settings

✔ For more details on enabling TLS for the MQTT Server see this tutorial: [Configuring Secure MQTT Communication](#).



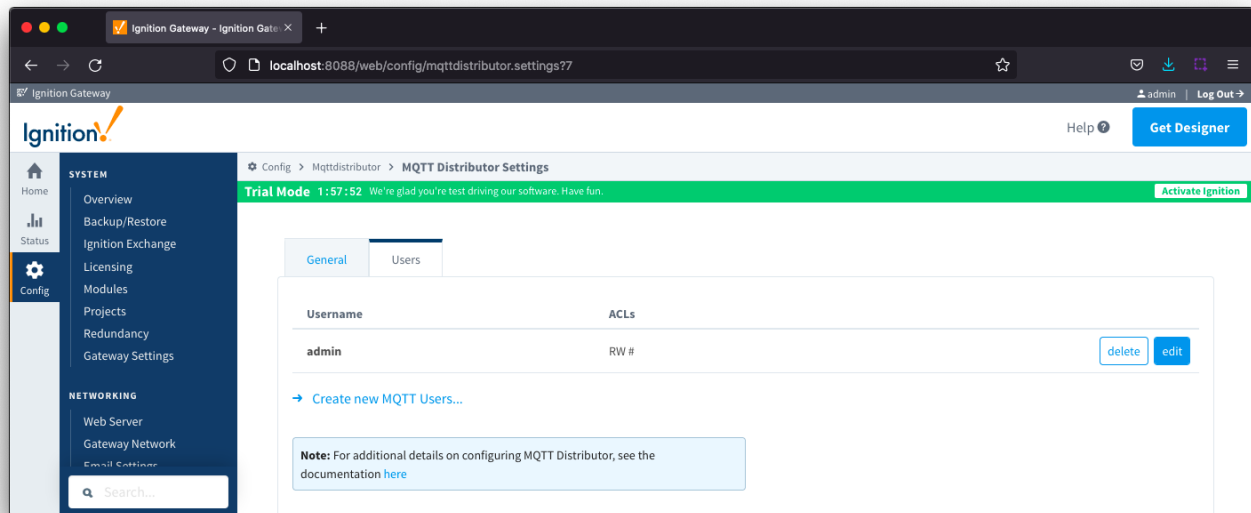
- **Enable TLS**
  - Checkbox to enable TLS.
  - Requires that TLS Certificate has been uploaded in Ignition.
- **Secure MQTT Port**
  - This is the TLS enabled MQTT Server listening port if TLS is enabled. By default it is port 8883 and is a reserved port with [IANA](#)
- **Enable Secure Websocket**
  - Checkbox to enable Secure Websocket connections for MQTT Server
- **Secure Websocket Port**
  - TLS enabled Websocket port for the MQTT Server. By default this is port 9443

## General - Advanced



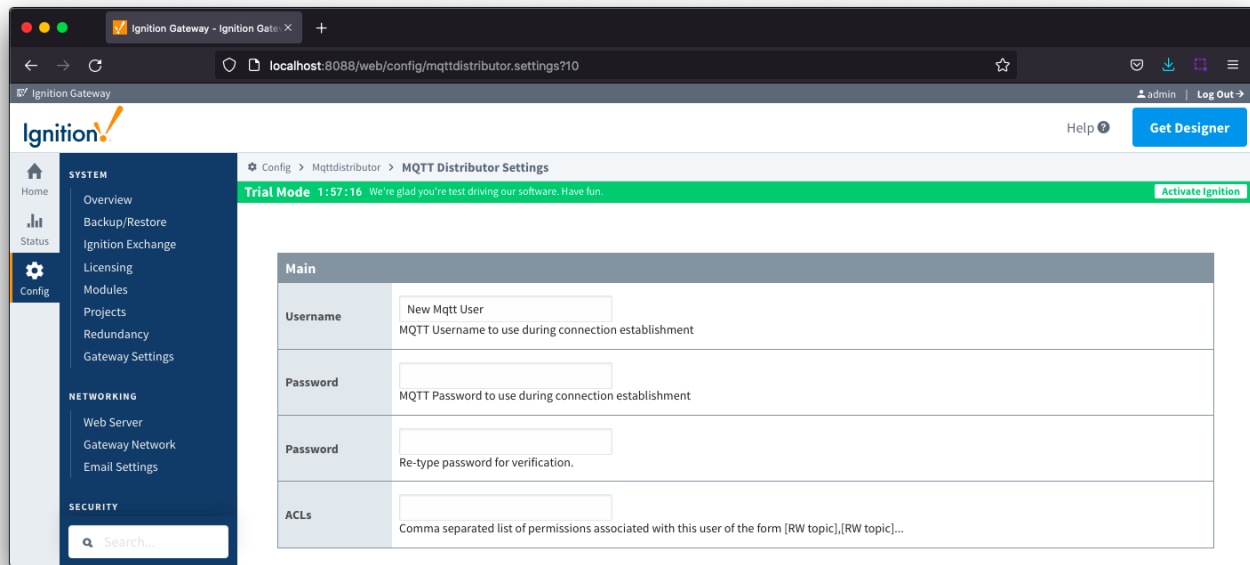
- **Allow Anonymous MQTT Connections**
  - Checkbox to enable anonymous MQTT connections. Not selected by default.
- **Custom Properties**
  - Do not use unless instructed to by Cirrus Link personnel.

## Users



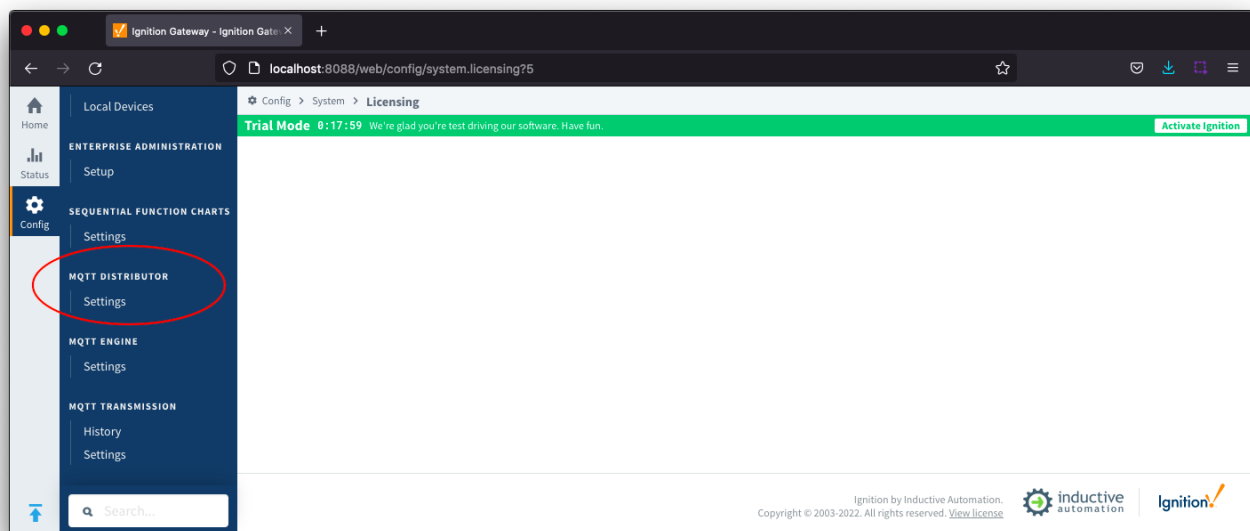
There is a single configuration section [Main](#) available.

## Users - Main



- **Username**
  - The username that must be provided in the MQTT Connect packet to MQTT Server. Any client attempting an anonymous connection will be rejected.
  - By default a user with Username **admin** is created
- **Password**
  - The password that must be provided in the MQTT Connect packet to MQTT Server. Any client attempting an anonymous connection will be rejected.
  - By default the admin user has a Password **changeme** created
- **ACLs**
  - The comma separated list of [Access Control Lists](#) (ACLs) that clients connecting with this username and password are allowed to publish and subscribe on.
  - By default the admin user has an ACL of RW #

MQTT Distributor provides a configuration section to the Ignition Gateway and this can be seen in the left side bar of the Ignition Gateway web UI.

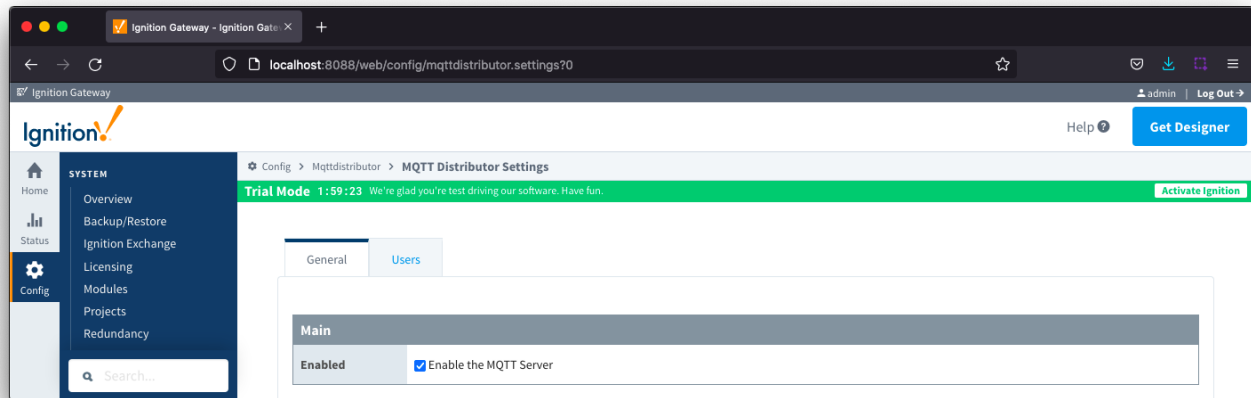


The configuration options for each of the tabs - [General](#) and [Users](#) - are detailed below.

## General

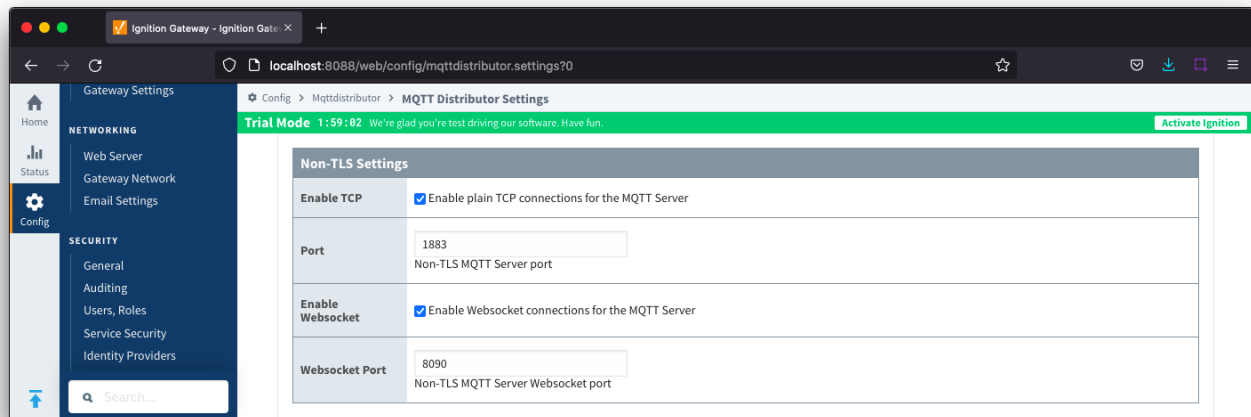
These are the global MQTT Server configuration parameters. The configuration sections available are [Main](#), [Non-TLS Settings](#), [TLS Settings](#) and [Advanced](#).

### General - Main



- **Enabled**
  - This denotes whether or not to enable or disable the MQTT Server functionality of MQTT Distributor

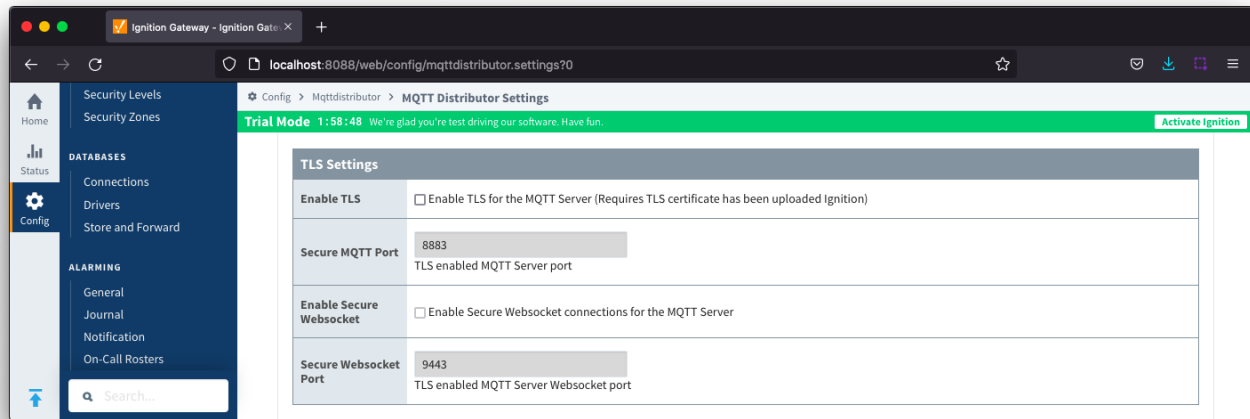
### General - Non-TLS Settings



- **Enable TCP**
  - This denotes whether or not to enable plain TCP connections. This is enabled by default.
- **Port**
  - This is the standard TCP MQTT Server listening port. By default it is port 1883 and is the MQTT reserved port with [IANA](#)
- **Enable Websocket**
  - This denotes whether or not to enable plain Websocket connections. This is enabled by default.
- **Websocket Port**
  - This is the standard Websocket listening port for the MQTT Server. By default this is 8090

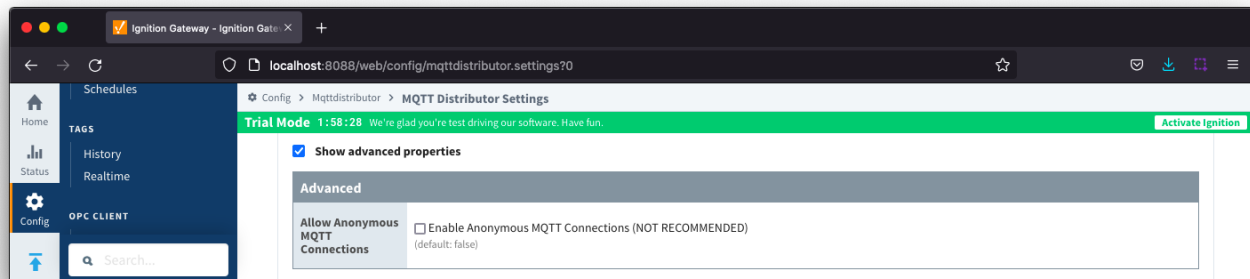
### General - TLS Settings

For more details on enabling TLS for the MQTT Server see this tutorial: [TLS Enable MQTT Distributor](#).



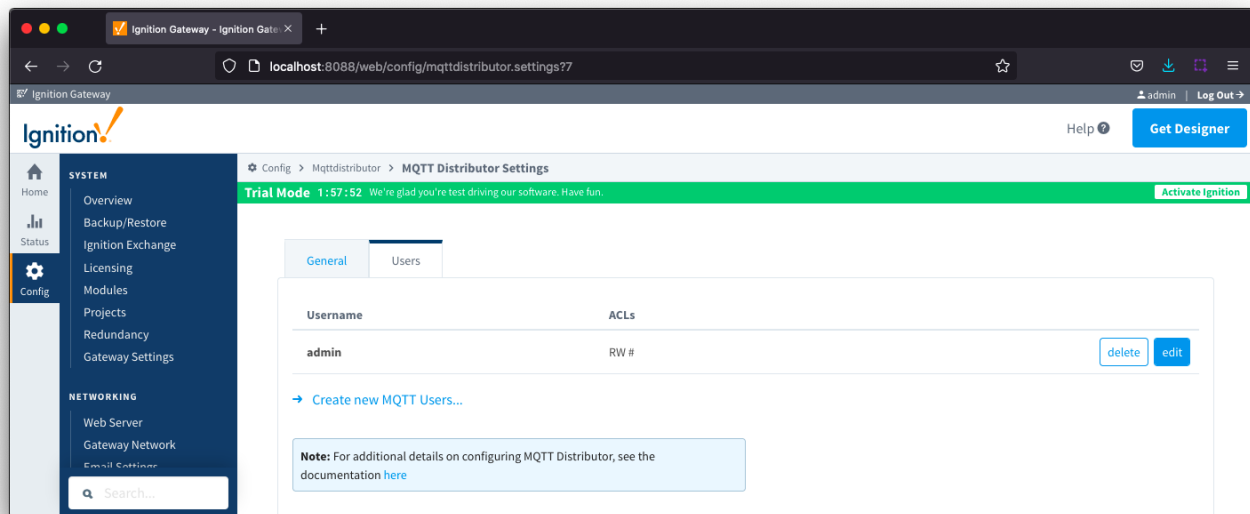
- **Enable TLS**
  - This denotes whether or not to enable TLS connections. If TLS is used a Java Keystore file must be uploaded to secure the connection. This is not enabled by default
- **Secure MQTT Port**
  - This is the TLS enabled MQTT Server listening port if TLS is enabled. By default it is port 8883 and is a reserved port with [IANA](#)
- **Secure Websocket Port**
  - This is the TLS enabled Websocket port for the MQTT Server. By default this is port 9443
- **Keystore Password**
  - This is the Java Keystore password to use if TLS is enabled and a Java Keystore file is provided
- **Java Keystore File**
  - This is the Java Keystore file that contains the server certificate and private key files

## General - Advanced



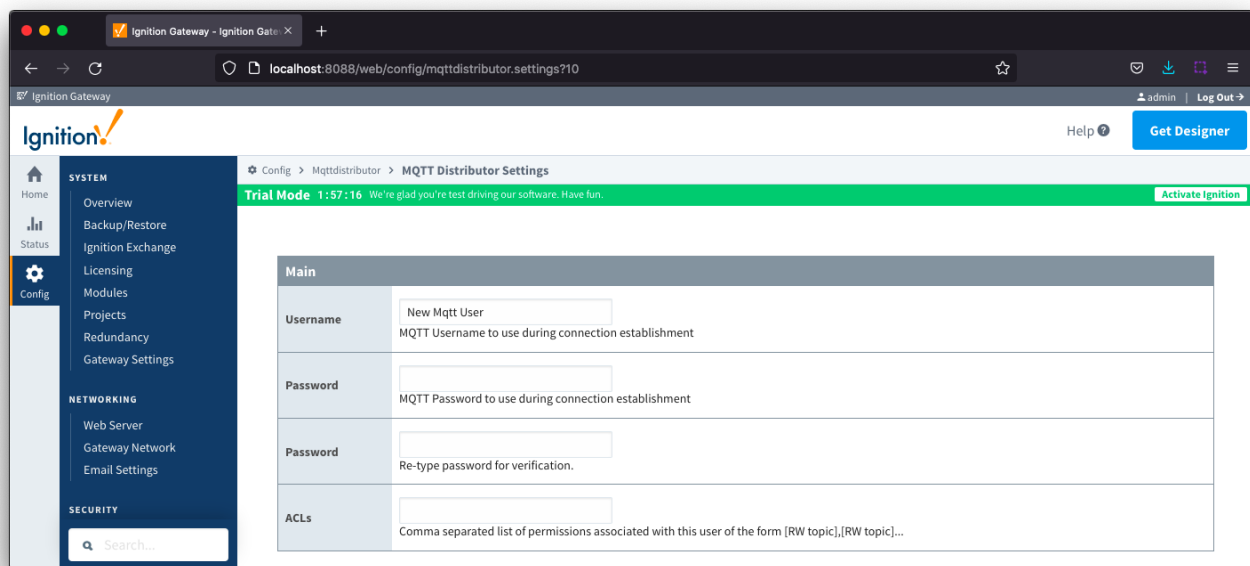
- **Allow Anonymous MQTT Connections**
  - Checkbox to enable anonymous MQTT connections. Not selected by default.

## Users



There is a single configuration section [Main](#) available.

## Users - Main



- **Username**
  - The username that must be provided in the MQTT Connect packet to MQTT Server. Any client attempting an anonymous connection will be rejected.
  - By default a user with Username **admin** is created
- **Password**
  - The password that must be provided in the MQTT Connect packet to MQTT Server. Any client attempting an anonymous connection will be rejected.
  - By default the admin user has a Password **changeme** created
- **ACLs**
  - The comma separated list of [Access Control Lists](#) (ACLs) that clients connecting with this username and password are allowed to publish and subscribe on.
  - By default the admin user has an ACL of RW #