

# Setting Up Mobile Clients

With the Mobile module installed, you can launch your projects on any modern smartphone or tablet. This ability does not require any re-design of your projects – a mobile Client launches the same projects that the Vision Clients launch.

See the [Mobile Module](#) for more information.

## To set the Mobile Module Settings

There is very little setup involved with the mobile module. Usually, with the exception of the the Server Address setting, you can keep all the the default settings.

1. Go to the **Configure** section of the Gateway.
2. Scroll down and go to **Mobile > Settings** page.

Here you will see all the settings and shown in the following table:

Settings	
Java Path	The path to the Java executable on the Ignition Gateway server machine. The Java 8 JRE is required for the mobile module. The default is <b>java</b> , which assumes that Java 8 is on the path and can be invoked merely with the <b>java</b> keyword.
Client Memory	The max amount of heap space allowed for each mobile client VM that is launched. Mobile clients are virtual clients that are launched on the server. All of the work is done on the server and transmitted to the mobile device so keep in mind that more mobile clients means more memory and CPU consumption on the server.
JVM Options	Command-line JVM options to use when launching mobile client VM's. Multiple options are separated with spaces. This option is made available mostly for troubleshooting by technical support staff, but if you are familiar with java and comfortable with command-line arguments, you can specify ones you may find useful.
Environment Variables	The environment variables to pass to the mobile client VM process. Use the NAME=VALUE format, one per line.
Idle VMs	The number of client VMs to startup and wait for incoming mobile connections. These will start when the Gateway is started and sit idle until a mobile connection is made. This should be left at the default value of 0 unless it is taking a long time to launch a mobile client. It's important to note that the VMs that are sitting idle are not connected to a project so it will still take time to load the selected project.
Server Address	This is the address to use when launching from the QR code on the launch page. This is a setting that often causes confusion. Initially this value is blank by default which results in the QR code pointing to the address of <a href="http://localhost:8088/">http://localhost:8088/</a> . Since Ignition is not running on your mobile device, this address will not actually launch the mobile homepage. This should be set to the Ignition server address that can be reached by the mobile device.
Networking	
Callback Port	The port that the mobile Client VMs use to communicate to the Gateway on. The default is 45900, but if this port is already in use, you need to change this to an available port.
Callback Interface	The interface that mobile client VMs should use to communicate back to the Gateway on. The default, localhost, makes use of the loopback adapter, however if this host doesn't have a loopback adapter or if there are two network cards, set this to the IP address of the NIC that should be used for local loopback.
AJAX Timeout	The max time, in milliseconds, that each request has to complete. The default is 10,000 (10sec).
Advanced Properties	
<b>The Mobile Module also has an option to allow VNC connections. This allows certain thin clients that do not support the Java Runtime Environment and also do not have an HTML 5 compatible browser to launch Ignition clients. The settings listed under the advanced properties section all have to do with configuring the VNC connection.</b>	
VNC Settings	

Enable VNC	Allows direct thin-client connection over VNC (also known as, RFB) protocol.
VNC Port	The port used for the VNC connections.
Project Name	The Mobile module only allows one of the projects on the Ignition Gateway to be viewed through VNC so you have to specify that project here. Unlike the normal mobile launch screen that allows you to choose a project, the project that you specify in this setting will be automatically launched when you connect via a VNC viewer application.
Project Width	The width of the project when it's launched.
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