**Installer**

**for**

**Ignition-based Applications**

**Document Version:**

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# Introduction

Ignition™ is an execution and development platform from Inductive Automation designed to support a wide-range of industrial applications. While a basic Ignition-based application may require only a project file, a more comprehensive application may require a number of different components for correct execution. These components may involve a variety of file types and installation steps. The variety may be confusing to the end user. Absence of one or more of these components may yield an incomplete or inconsistent installation and result in subtle (or not so subtle) errors.

This document describes an ILS-Automation product that handles application releases in the familiar paradigm of an installer. Using the ILS Application Installer, the end user is presented with a wizard-style sequence of screens that handle installation of the various components that make up the target application. These components may be, among other things: full or partial projects, global projects, UDT definitions, icons, internal and/or external python packages, SQL update scripts, and Java-based modules.

The release bundle or installer for a particular delivery is packaged into a single file, an Ignition module file. Embedded within the module are all resources required for the target application plus an Ignition project to install it. This project is available only when the install module is loaded into the Gateway. The project supports an end-user wizard-style interface to accomplish the installation.

## Configuration

The screens with which the user interacts are completely configured via an XML file. This file describes both the information on the screens as well as the locations of the actual resources in the bundle. The file is that describes the installation steps. … The install bundle is completely configured The bulk of this document describes this file and :

# Loading

The install bundle is loaded just like any other Ignition module from the Gateway configuration page.

Once loaded, a new entry appears on the configuration panel. It names the product and provides a link to execute the installer.

# Creating the Module

A module is simply a jar file

Different than normal in that there is an “artifacts” directory, plus bom.xml.. Locations are relative to the root. Convention places everything under “artifacts”.

Jar command or build directly with ant script.

Sign at Inductive Automation website.

# Properties

The initial section of the XML describes properties for the product. These describe the product and are archived in the internal Gateway database once the installation is complete.

The properties shown in the XML fragment below should be included in every example. These are:

* product – the name of the product
* release – marketing name of this version
* date – release date
* version – an integer release number that increments

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<installer>

<title>This title appears on every page</title>

<description>Installer for Ignition Application.</description>

<property name=*"product"*>Ignition Application</property>

<property name=*"release"*>0.1r15</property>

<property name=*"date"*>Mar 17, 2016</property>

<property name=*"version"*>2</property>

# Install Panels

This section describes each panel type in detail. Not every panel is applicable for every product. In some cases multiple versions of the same panel may be needed. This is all controlled by the makeup of the XML file, the product bill-of-materials.

Panel type is fixed to a fixed vocabulary. Each type correlates to a separate Java class. Within a bill-of-materials, the combination of panel type and subtype must be unique.

# Epilog

A final panel is shown.