# KIDS Bundler User Guide

## Introduction

The KIDS Bundler combines KIDS installs into a single KIDS file. It intended to be used to prepare a patch for release.

## System Requirements

The KIDS Bundler is a Java console application. Java 7 must be installed to execute the KIDS Bundle.

## XML manifest

The KIDS Bundler requires an XML manifest listing all of the files to be bundled as well as other attributes of the target KIDS bundle. The manifest makes the assumption that there is a single KIDS install in each file.

The names of the elements and attributes are based on the names of the equivalent fields in the KIDS installation process. The full XML schema definition can be found in Appendix A

Example of VistA Imaging Patch 127 manifest:

<?xml version="1.0" encoding="utf-8" ?>

<bundle

name="MAG\*3.0\*138Bundle"

patchName="VistA Imaging Version 3.0 Patch 138 Bundle"

comment="This is a bundle of DICOM and VIX patches"

xmlns="http://va.gov/VistA/kidsbundler/manifest" >

<patches>

<patch name="MAG\*3.0\*127" export="MAG3\_0P127T9.KID" />

<patch name="MAG\*3.0\*129" export="MAG3\_0P129T18.KID" />

<patch name="MAG\*3.0\*119" export="MAG3\_0P119T4.KID" />

<patch name="MAG\*3.0\*34" export="MAG3\_0P34T35.KID" />

<patch name="MAG\*3.0\*116" export="MAG3\_0P116T35.KID" />

<patch name="MAG\*3.0\*118" export="MAG3\_0P118T35.KID" />

<patch name="MAG\*3.0\*131" export="MAG3\_0P131T20.KID" />

<patch name="MAG\*3.0\*140" export="MAG3\_0P140T20.KID" />

<patch name="MAG\*3.0\*87" export="MAG3\_0P87T16.KID" />

<patch name="MAG\*3.0\*79" export="MAG3\_0P79T16.KID" />

<patch name="MAG\*3.0\*110" export="MAG3\_0P110T16.KID" />

<patch name="MAG\*3.0\*130" export="MAG3\_0P130T16.KID" />

<patch name="MAG\*3.0\*137" export="MAG3\_0P137T16.KID" />

<patch name="MAG\*3.0\*136" export="MAG3\_0P136T16.KID" />

<patch name="MAG\*3.0\*138" export="MAG3\_0P138T16.KID" />

</patches>

</bundle>

## Properties configuration file

The KIDS Bundler uses a KIDSBundler.properties file for configuration. Any property defined in the properties file can be overridden on the command line.

Below are the properties that may be defined:

### rootDirectory

rootDirectory is the directory containing the searchDirectories.  
Default: the directory of the manifest file  
Example: va.gov.vista.kids.bundle.rootDirectory=../../../Temp/KIDS

### outputFileName

outputFileName is the name of the output KIDS file.  
Command line parameter: -n  
Default: the name of the manifest file with a .KID extension  
Example: va.gov.vista.kids.outputFileName= MAG3.0P127.KID

### outputDirectory

outputDirectory is the directory to store the output files (KID & Log).  
Command line parameter: -o  
Default: the name of the manifest file with a .KID extension  
Example: va.gov.vista.kids.outputDirectory=C\:\\Temp\\KIDSBundle

## Running KIDS Bundler

KIDS Bundler is a Java console application. It must be run from the command prompt using Java. Running the following command line will display all of the options:

java -jar KIDSBundler.jar

### Command Line Parameters

|  |  |  |  |
| --- | --- | --- | --- |
| Flag | Required | Equivalent Property | Description |
| -m | Required | va.gov.vista.kids.manifest | use given file for the build manifest |
| -n | Optional | va.gov.vista.kids.outputFileName | sets the output file name |
| -o | Optional | va.gov.vista.kids.outputDirectory | sets the directory for the output |
| -D | Optional | va.gov.vista.kids.[property]=value | use value for given property |

-m is the only required parameter.

-D is a special parameter allowing the user to override any property specified in the KIDSBundler.properties file. It can be used multiple times to override multiple properties.

### Example

java -jar KIDSBundler.jar –m C:\TFS\VistA\_Imaging\Configuration\VistABuildConfiguration\MAG\_3\_0\_Bundler.xml -D va.gov.vista.kids.bundler.rootDirectory=C:\Temp\KIDS

## Appendix A: KIDS Manifest XML Schema Definition

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

<xs:schema elementFormDefault="qualified" version="1.0" targetNamespace="http://va.gov/VistA/kids/manifest" xmlns:tns="http://va.gov/VistA/kids/manifest" xmlns:xs="http://www.w3.org/2001/XMLSchema">

<xs:element name="build" type="tns:kidsManifest"/>

<xs:element name="components" type="tns:manifestComponents"/>

<xs:complexType name="requiredBuild">

<xs:sequence/>

<xs:attribute name="name" type="xs:string"/>

<xs:attribute name="action" type="xs:string"/>

</xs:complexType>

<xs:complexType name="manifestComponents">

<xs:sequence>

<xs:element name="dataDictionaries" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="dataDictionary" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="routines" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="routine" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="rpcs" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="rpc" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="options" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="option" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="securityKeys" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="securityKey" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="protocols" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="protocol" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="templateLists" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="templateList" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="hl7Applications" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="hl7Application" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="hl7LogicalLinks" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="hl7LogicalLink" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="parameterDefinitions" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="parameterDefinition" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="parameterTemplates" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="parameterTemplate" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="printTemplates" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="printTemplate" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="sortTemplates" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="sortTemplate" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="inputTemplates" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="inputTemplate" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="forms" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="form" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="functions" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="function" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="dialogs" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="dialog" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="bulletins" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="bulletin" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="mailGroups" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="mailGroup" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="helpFrames" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="helpFrame" type="tns:manifestComponent" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:sequence>

</xs:complexType>

<xs:complexType name="manifestComponent">

<xs:sequence/>

<xs:attribute name="name" type="xs:string"/>

<xs:attribute name="export" type="xs:string"/>

</xs:complexType>

<xs:complexType name="kidsManifest">

<xs:sequence>

<xs:element name="requiredBuilds" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element name="requiredBuild" type="tns:requiredBuild" minOccurs="0" maxOccurs="unbounded"/>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element ref="tns:components" minOccurs="0"/>

</xs:sequence>

<xs:attribute name="name" type="xs:string"/>

<xs:attribute name="patch" type="xs:short" use="required"/>

<xs:attribute name="patchName" type="xs:string"/>

<xs:attribute name="packageNumber" type="xs:short"/>

<xs:attribute name="packageName" type="xs:string"/>

<xs:attribute name="packagePrefix" type="xs:string"/>

<xs:attribute name="packageShortDescription" type="xs:string"/>

<xs:attribute name="packageVersion" type="xs:string"/>

<xs:attribute name="packageDateDistributed" type="xs:string"/>

<xs:attribute name="packageDateInstalled" type="xs:string"/>

<xs:attribute name="packageInstalledBy" type="xs:string"/>

<xs:attribute name="alphaBetaTesting" type="xs:string"/>

<xs:attribute name="installationMessage" type="xs:string"/>

<xs:attribute name="addressForUsageReporting" type="xs:string"/>

<xs:attribute name="envCheckRoutine" type="xs:string"/>

<xs:attribute name="deleteEnvCheckRoutine" type="xs:string"/>

<xs:attribute name="preInstallRoutine" type="xs:string"/>

<xs:attribute name="deletePreInstalltRoutine" type="xs:string"/>

<xs:attribute name="postInstallRoutine" type="xs:string"/>

<xs:attribute name="deletePostInstallRoutine" type="xs:string"/>

</xs:complexType>

</xs:schema>