

***User Guide***

***App-V Generator  
User's manual***

*Version 1.4*

## Table of Contents

<b>User Guide</b> .....	1
<b>App-V Generator</b> .....	1
<b>User's manual</b> .....	1
<b>Version 1.4</b> .....	1
<b>1. Introduction</b> .....	3
1.1 Product Description .....	3
1.2 Main Features .....	3
<b>2. Product Installation</b> .....	3
2.1 System Requirements .....	3
2.2 Installation .....	3
<b>3. Create App-V package from scratch</b> .....	3
3.1 Package creation procedure .....	4
<b>4 Edit App-V package</b> .....	8
<b>5. Using Actions pool</b> .....	9
<b>6. Using Properties Inspector</b> .....	9
<b>7. App-V Generator menu guide</b> .....	11

## 1. Introduction

### 1.1 Product Description

App-V Generator tool is used for creation and editing Microsoft Application Virtualization (App-V) packages. App-V Generator supports OSD, SFT editing and creation.

### 1.2 Main Features

Main features of App-V Generator are:

- App-V packages editing (SFT, OSD)
- OSD files editing
- OSD scripts pool
- Application settings discovery and management
- App-V packages creation from scratch

## 2. Product Installation

### 2.1 System Requirements

Supported OS:

Win2K, Windows XP, Windows 2003 Server, Vista, Windows 2008 Server, Windows 7

.NET Framework 3.5 SP1 is required for Win2K, Windows XP, Windows 2003 Server.

### 2.2 Installation

Software doesn't require installation and can be started from the application folder

## 3. Create App-V package from scratch

In contrast to Microsoft App-V Sequencer, App-V Generator doesn't monitor the installation and setup process for an application.

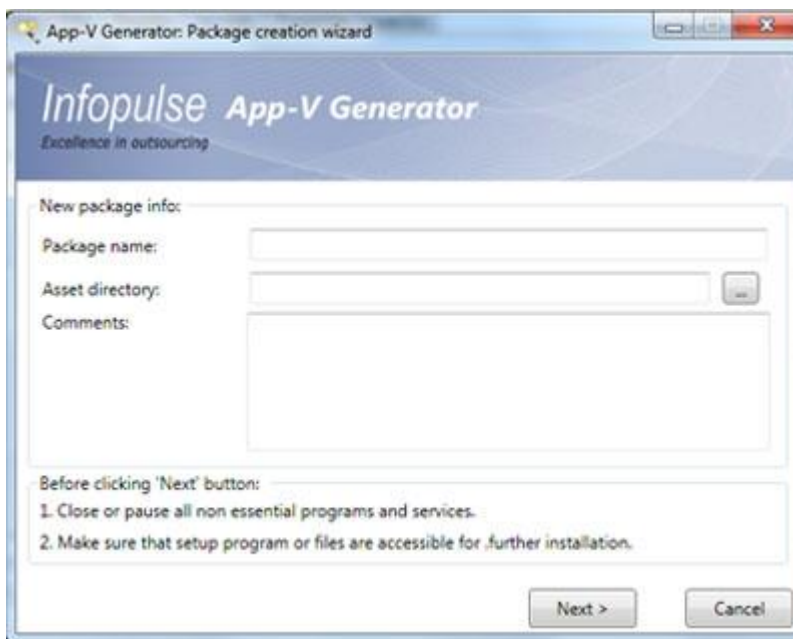
App-V Generator uses system difference file which is created as a difference between 2 system snapshots. First system snapshot is created before application installation, and second system snapshot is created after application is installed and configured.

App-V Generator uses difference files created via Snapshots Maker module (ssMake.exe and ssCompare.exe) or MSI Generator to detect system changes.

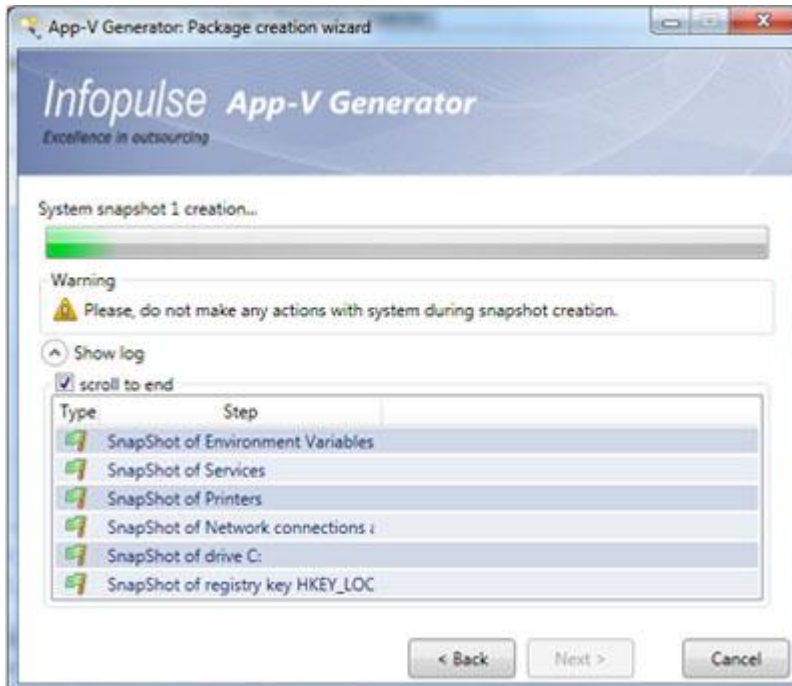
System snapshotting approach used by App-V Generator gives higher reliability of system changes detection when application is installed, comparing to the process changes monitoring used by App-V Sequencer.

### 3.1 Package creation procedure

Launch App-V Generator, select File → New menu and specify App-V package parameters (package name, asset dir, etc.) in the Package Creation Wizard.



Then click next and App-V Generator will create the first system snapshot.



Wait until the menu on the picture below appears and then launch the application installation.

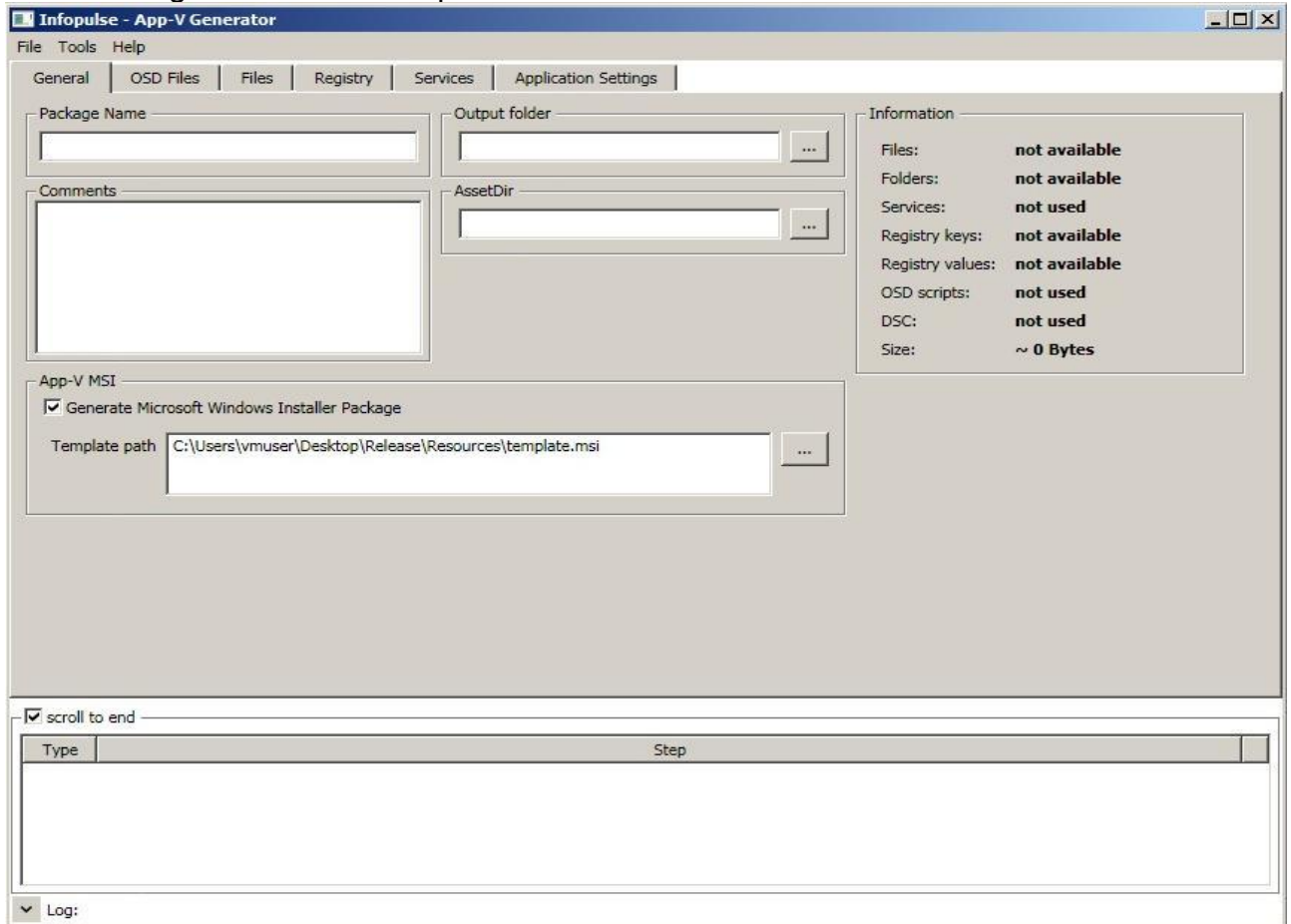


When the application installation and configuration is finished click next and App-V Generator will create the second system snapshot and compare them.

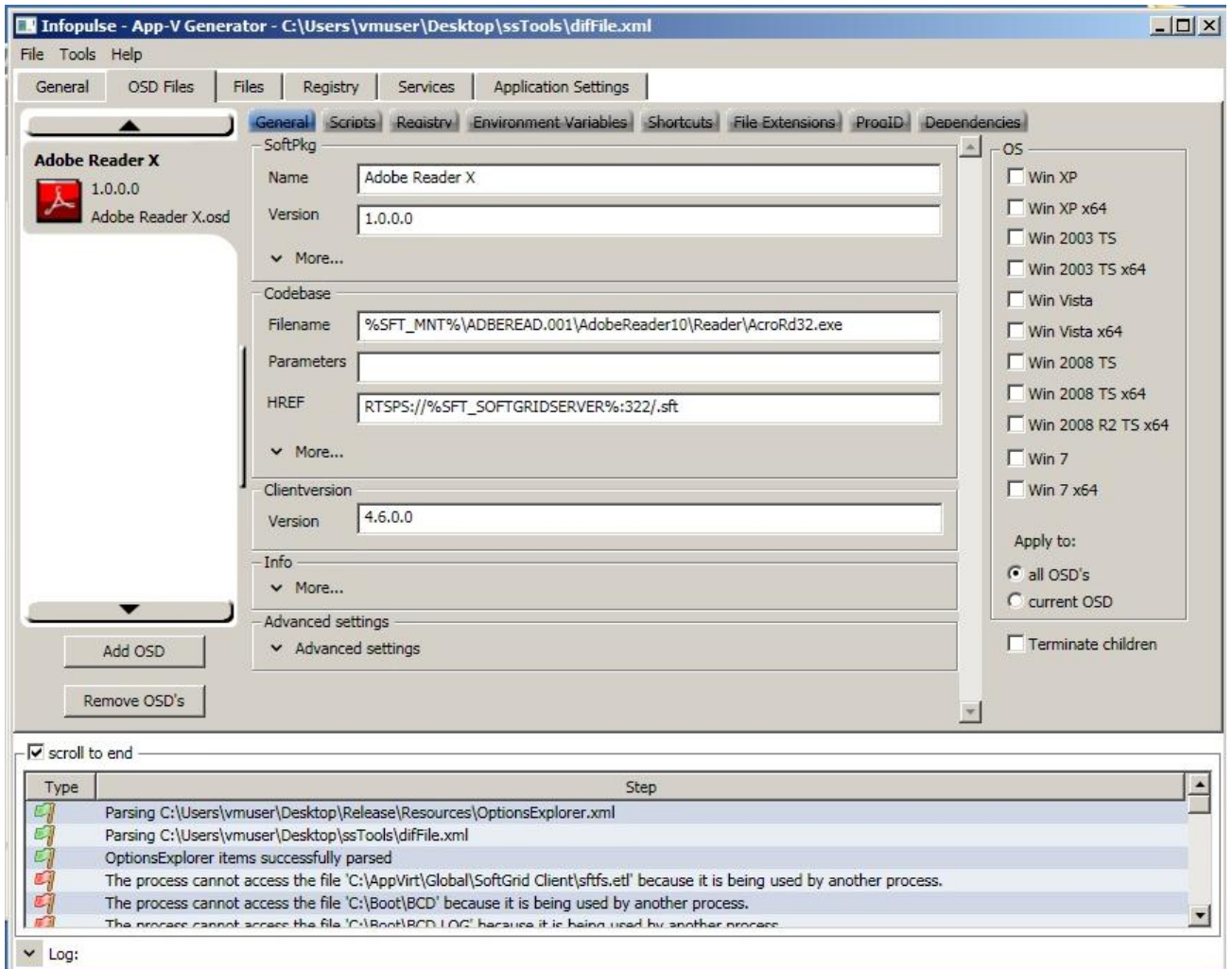


After the progress window disappears you can start customizing your package.

Edit “Package name” and “Output folder” values in the “General” tab if needed.



After all of the needed general fields are filled proceed to the “OSD Files” tab and ensure that all info is correct in this section. Here you can add, change or remove the OSD files in the package, add scripts to the OSD’s, adjust the ProgID’s, file extensions and change the target system for deployment.



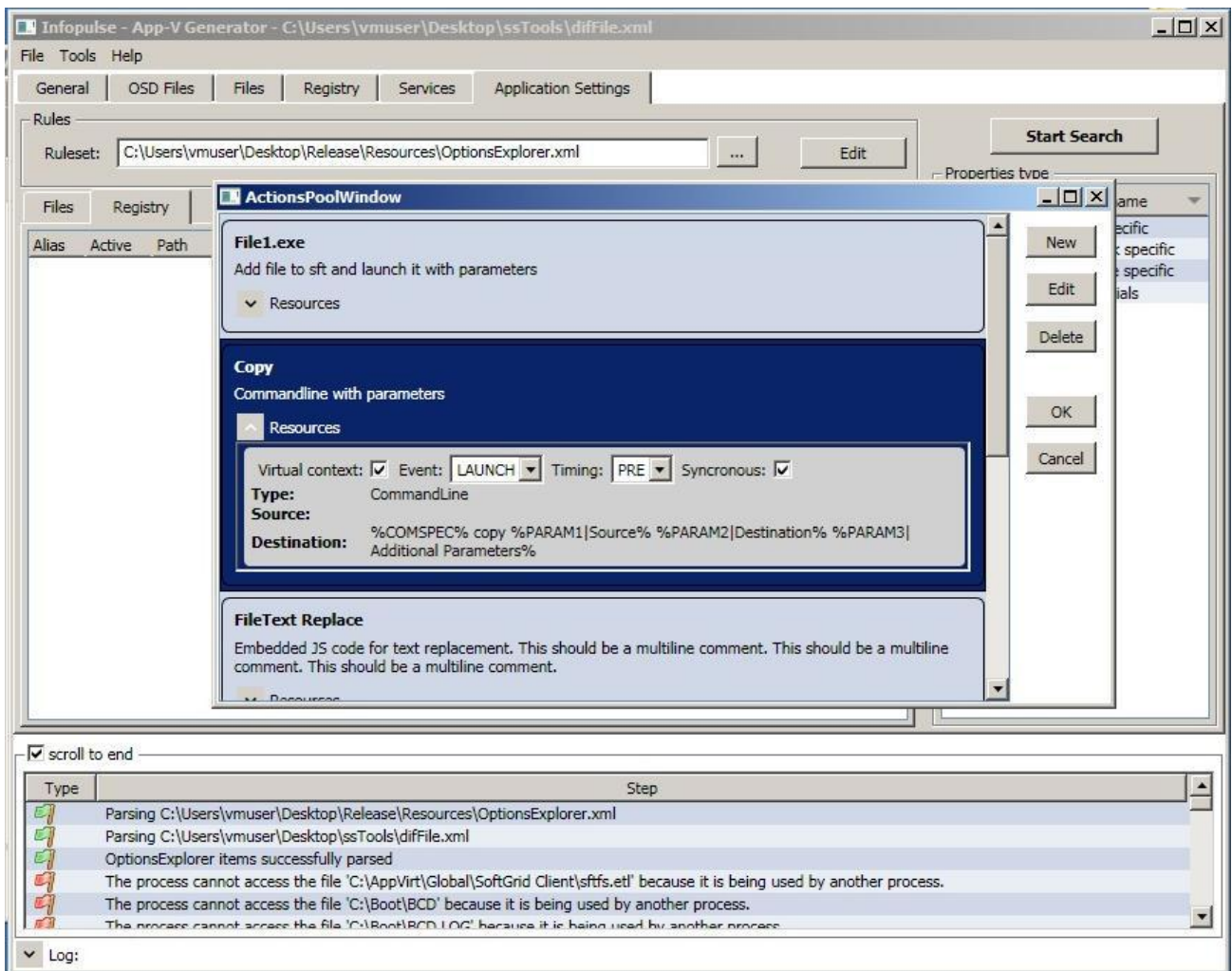
## 4 Edit App-V package

OSD and SFT files can be edited in the same way they were created. To open OSD files for editing select “File” tab and then select “open” and navigate to the OSD file that you want to edit.

To edit SFT file select “File\open”, make necessary changes. When selecting “Save” after the changes are made you’ll be asked for the directory to extract files. It’s a mandatory step. These files will be placed in the newly saved STF after extraction from the old one.

## 5. Using Actions pool

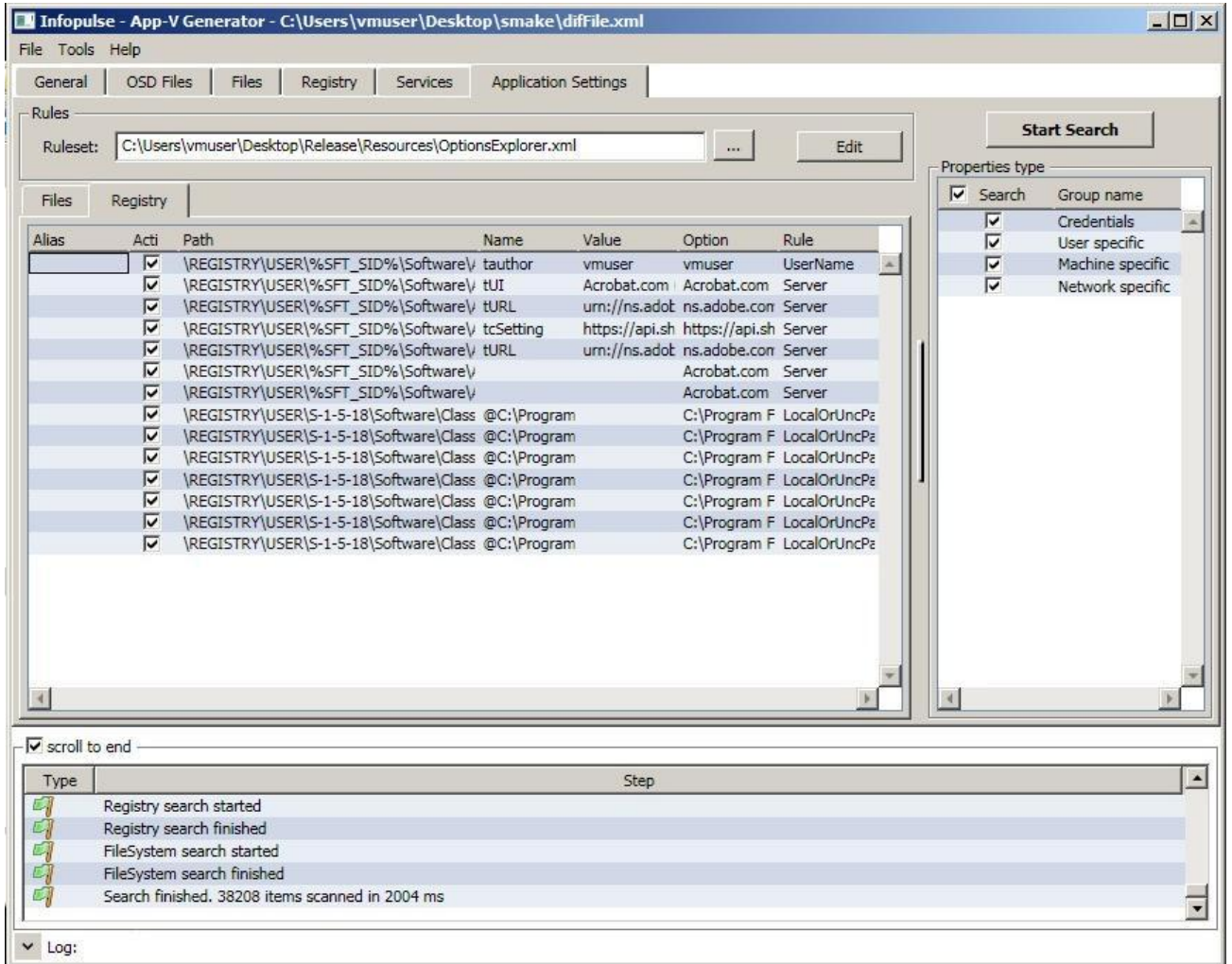
You can add prewritten scripts by choosing “Actions pool” from the “Scripts” tab, or add your own scripts by choosing “Add”.



In the actions pool cmd scripts, OSD scripts and VBScripts are stored as actions. You can add or change the existing actions using this window. Also you can call the actions pool window from “Tools\Actions pool” menu.

## 6. Using Properties Inspector

“Properties Inspector” is the feature that allows you to find hardcoded paths, specific properties, or adjustable options for the software you’re packaging. It uses regular expressions to find the options mentioned above. Properties Inspector is currently available under the “Application Settings” tab.



To start the search process select the type of properties you want to find from the list and press the “Start search” button. After the search is done you’ll see the results in the Files of Registry tabs.

## 7. App-V Generator menu guide

### Main menu.

**File\Open** – opens the file selection dialog. Supported file types: diff, sft, osd

**File\Save(Save as...)** - saves the project to the desired destination

**File\Close project** – unloads the current project from the App-V Generator's editing environment

**File\Exit** – closes App-V Generator

**Edit\Virtual registry (Virtual file system, Virtual Services)** – allows to edit the entries in the virtual file system, virtual registry and virtual services lists.

**Tools\Extract files** – extracts the package's files to the desired folder (**Note:** only in case if SFT file is opened)

### “General” tab

**Package name** – defines package's name

**Output folder** – defines destination to which the project will be saved

**AssetDir** – defines the “AssetDir” name

**Generate Microsoft Windows Installer (MSI) Package** – defines whether the MSI package for the standalone delivery model will be created (**Note:** “Select MSI template” button allows you to choose the custom template for the MSI creation)

### “Files” tab

In this tab you can view and modify the files attributes, review the mapping info.

**“Path” field** – real path of the file on the current machine.

**“Map to” field** – the path to which the files will be mounted to on the destination client machine.

### **“Virtual registry” tab**

In this tab you can view and modify the virtual registry. “Fully virtualized” attribute defines whether the registry key will be merged with the current branch or override the existing non virtualized value on the target machine.

### **“Virtual services” tab**

Here you can view and modify the properties of the virtual services included in the package

### **“OSD files” tab**

#### **“General” tab**

In this tab you can view and modify basic OSD options.

**“Softpkg” section** – defines OSD name, version and displays the OSD’s GUID

**“Codebase” section** – defines the path to the SFT file (Href field), launch parameters, target entry point (Filename field), target sysguard file and displays GUID and size of the OSD.

**“Clientversion” field** – minimal client version required for the package to successfully install.

**“Info” field** – additional information and comments.

**“OS” field** – here you can select operating systems which you want the package to be installed on (**Note:** if none of the OS selected the OS check will not be performed and the package will be allowed to install on any OS).

#### **“Advanced” tab**

**“Vm” field** – defines the type of the subsystem (Win16 or Win32)

**“Subsystem” field** – defines UI type

**“Disksize” field** – defines the amount of the disk space required for the application to stream to the desired location (used only in streaming mode)

**“Memsize” field** – defines the amount of the RAM to successfully launch the application

**“Policies” field** – defines OSD launch policies.

### **“Scripts” tab**

In this tab you can view and edit OSD scripts

### **“Registry” tab**

In this tab you can review and edit the registry entry you wish to deliver into the App-V environment via the OSD registry section.

### **“Environment variables” section**

In this tab you can view and edit the list of environment variables available for the current application.

### **“Shortcuts” section**

In this tab you can view and edit the properties of the shortcuts in the current OSD file.

### **“File extensions list” tab**

In this tab you can view and edit file extensions that are linked to the current OSD.

### **“ProgID list” tab**

In this tab you can view and edit the ProgID's in the current OSD

### **“Dependencies” tab**

In this tab you can set the DSC dependencies for the current application.

## **“Application settings” tab**

In this tab you can set the rules list and the search parameters for the Options explorer and view the search results.

**“Browse” button** – opens the window where you can select the rules set for the properties search.

**“Find properties” button** – initiates the properties search process

**“Edit...” button** – opens the Options explorer search rules editor

## **Properties search result view**

Common VFS & VRG columns:

**Active** – if selected, packager considers that this option is a good candidate for replacement;

**Path** – location where match was found;

**Name** – file or registry value name. If empty, last node name in path matched the Rule;

**Option** – text, captured by RegExp or ExactMatch;

**Rule** – rule name, that has regular expression or exact text which was used for option capture.

VFS specific columns:

**Line** – line number, where captured text is placed. Of line equals to 0, file name should be considered as capture.

VRG specific columns:

**Value** – registry value or part of value that matched the RegExp or Exactmatch. If empty, regvalue name should be considered as capture.