



**Retek[®] Predictive Application
Server[™]
Configuration Tools
11.0.4**

Release Notes



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- Detailed step by step instructions to recreate.
- Exact error message received.
- Screen shots of each step you take.

Release Details

Application:	RPAS Configuration Tools
Version Number:	11.0.4
Code Cut Off Date:	December 19th, 2003
Release Date:	January 16th, 2004
Type of Release:	
• Base:	Yes
• Patch	No
RPAS Server Version:	11.0.4 release
Patch Level:	Original
Supported OS:	Sun Solaris, AIX 5.1, HP-UX, Windows NT, XP, 2000
Required 3rd Party Software:	<ul style="list-style-type: none"> • JRE 1.4.1 (installed on client and server machines) • CVS (installed on server – if using integrated Source Control)
Documentation:	<ul style="list-style-type: none"> • RPAS 11.0.4 Configuration Guide
	<ul style="list-style-type: none"> • RPAS 11.0.4 Installation Guide
	<ul style="list-style-type: none"> • RPAS 11.0.4 Release Notes
	<ul style="list-style-type: none"> • RPAS 11.0 Operation Guide
	<ul style="list-style-type: none"> • RPAS 11.0 User Guide

Functional Summary

The RPAS Configuration Tools are an integrated set of task specific tools that are used to configure and build Retek Predictive Solutions on the RPAS platform. These tools provide a flexible means to configure RPAS-based solutions with customer specific business parameters. The Configuration Tools can be used to configure a solution from scratch, or to use an existing solution configuration template as a basis from which to make customer-specific changes (per Retek licensing agreements).

Configuration support for new RPAS 11.0.4 functionality is available in Version 11.0.4 of the RPAS Configuration Tools; additionally, configuration support for RDF, Curve, and Promote has also been added.

Performance Summary

The RPAS Configuration Tools have been used to build several GA solution configurations, including TopPlan-Channel, TopPlan-Cost, TopPlan-Retail, and KeyPlan; as well as several customer configurations. The tools have demonstrated handling of at least 7500 measures and 198 worksheets. There is a minimum recommendation of 256mb of memory on machines used for configuration. There are no open performance-related issues.

Technical Summary

The configuration tools consist of client and server side tools to configure and build solutions. The client side tools are developed using Java; JRE 1.4.1 is required on machines on which the tools are used. The client side tools consist of a series of GUI screens for user input of configuration information. A file structure containing .xml files are generated to store the resulting configuration information locally. Once a configuration has been completed, it is sent via FTP to the server on which the solution will be built, and a server side installer tool builds an RPAS domain using the configuration information stored in the .xml files. The RPAS client is then used to access the solution.

Integration Summary

As the RPAS Configuration Tools are used to configure and build applications, there is no integration to other Retek products. The tools are integrated with RPAS in the sense of RPAS functionality being exposed via API's that allow this functionality to be configured in the toolset. Additionally, the configuration tools use an interface file provided by RPAS to validate rules and expressions to insure consistency with the RPAS calculation engine. Finally, extensible and custom functions and procedures external to RPAS can be configured via the tools as well (that is, FORECAST procedure used to generate demand forecasts in planning solutions).

Upgrading

The following section describes the process for upgrading all the components of an RPAS solution. This upgrade process is only applicable to solutions built on the GA version of RPAS and Tools 11.0.3.1, and for solutions built on pre-releases of RPAS 11.0.4. The process involves upgrading the RPAS platform, the Configuration Tools, configurations, and domains.

Important Notes about Upgrading

Please note the following about the upgrade process.

- The upgrade process is not reversible for configurations or domains
- All existing 11.0.3 workbooks should be committed, if desired, and deleted prior to running the upgrade utility. The upgrade utility does not upgrade workbooks within the domain, so trying to use an 11.03 workbook after the upgrade will result in an error
- All the wizard page user selections are deleted – specifically, users/*/selections directories in the domain are deleted, meaning that all stored wizard page selections will no longer exist and users will have to make selections again
- The domain-upgrade component of the upgrade process performs several upgrade functions. Before performing any of these upgrades, it first validates that the domain has an 11.0.3 format for each component it's trying to upgrade. If any of the components is in an unexpected format, the utility reports an error and leaves the domain unchanged. Otherwise it will proceed with the upgrade.

Upgrade Process

Step 1: Make a backup copy of your configuration, your domain, and the installs directory for the domain.

Step 2: Install the new Tools release on your computer.

Starting with this release of the Configuration Tools, we have made some changes with the installation process of the Tools. These changes are particularly important if you are *not* using the NT server installation of RPAS to build domains. If you are not using the NT server installation of RPAS on your laptop or desktop, then please refer to the RPAS Installation Guide, *Chapter 6: Installing the configuration tools in Windows*, regarding the changes for this release of the Tools. Even if you have already installed a previous release of the Tools, you *must* make these changes for this release.

Specifically, we have separated the RPAS NT-specific files from the Tools release into their own directory called **RPASlibs**. The RPASlibs directory is packaged as part of the Tools release. You need to setup the **RPAS_HOME** environment variable to point to the path where you install the RPASlibs directory. Even if you are not using the RPAS NT server installation to build domains, you need to setup the RPAS_HOME variable to point to the RPASlibs directory to use the Tools Workbench. Once you have setup the RPAS_HOME environment variable, you need to add `%RPAS_HOME%/lib` directory to your **PATH** environment variable.

Step 3: If you want to build domains on NT or Windows 2000, then you need to install the new RPAS NT release on your computer. This installation process has not changed. Please refer to the RPAS Installation Guide for complete details. Change or create your **RIDE_HOME**, **RPAS_HOME**, and **PATH** environment variables as necessary to point to the new Tools and RPAS installations respectively. If you are not building domains using the RPAS NT installation, you can skip this step.

Follow the process below depending on your respective scenario, either Scenario 1 or Scenario 2. Then proceed to the remaining instructions for Both Scenarios.

Scenario 1: Upgrade from RPAS/Tools 11.0.3 to 11.0.4

This scenario is only for configurations that have not been previously upgraded to a pre-release of RPAS 11.0.4. Otherwise, go to Scenario 2.

Step 4: Upgrade the configuration:

- Open your configuration using the new Tools installation.
- You will be prompted to convert the configuration. Select Yes.
- As part of the conversion process, rule set, rule groups, and rule names may be truncated in order to meet new validation requirements to support a change that was made in RPAS. Specifically, rule sets will be truncated to the first 9 characters. Rule groups will be truncated to the first 10 characters. Rule names will be renamed to be the new rule group name plus a rule index autogenerated numeric identifiers. The conversion process will also convert rule group names used in workbook custom menus to reflect the new rule group names. The converted rule set, rule group, rule names, and custom menus should be manually inspected. Note that there should be no impact to rules and expressions as a result of the conversion.
- To assist you in updating any external scripts that reference rule group names, a log file will get created called RuleRenamer.log located in your configuration directory.
- We strongly recommend that you do not make any changes to your configuration during the upgrade process. After upgrading your configuration, save and exit your configuration.

Scenario 2: Pre-existing RPAS/Tools 11.0.4 Configuration and Domain

This scenario is only for configurations that have been previously upgraded to a pre-release of RPAS 11.0.4.

Step 4: Upgrade the configuration:

- Double-click on the RuleRenamer.bat file located in the bin subdirectory of your Tools installation. This will open up a new utility that will convert your configuration. Please note that you should *not* have your configuration open in the Tools Workbench during this scenario.
- Use the Browse button to open up your configuration .xml file. Select the main .xml file of your configuration the same as you would as if you were opening the configuration in the Tools Workbench.
- As part of the conversion process, rule set, rule groups, and rule names may be truncated in order to meet new validation requirements to support a change that was made in RPAS. Specifically, rule sets will be truncated to the first 9 characters. Rule groups will be truncated to the first 10 characters. Rule names will be renamed to be the new rule group name plus a rule index autogenerated numeric identifiers. The conversion process will also convert rule group names used in workbook custom menus to reflect the new rule group names. The converted rule set, rule group, rule names, and custom menus should be manually inspected. Note that there should be no impact to rules and expressions as a result of the conversion.
- The renamed rules will be displayed in the RuleRenamer. We recommend that you copy and paste this into a text file in order to save this information for updating any external scripts.
- Exit the RuleRenamer.
- Go to step 6 below. We recommend that you do not make any changes to your configuration during the upgrade process. You do *not* need to open and save your configuration in the Tools Workbench for the rule conversion to take effect. The RuleRenamer modifies your configuration directly.

Both Scenarios (except step 10):

Step 5: Change any external batch scripts to use the new rule group names and to reflect parameter and/or name changes to certain RPAS utilities (including **loadmeasure**, **loadHier**, etc.; see release notes for additional information)

Step 6: On the server, move or rename your old configuration. Zip up your new configuration and transfer it to the server. Do *not* unzip the new configuration over the old configuration.

Step 7: If using a UNIX server, change your **RIDE_HOME** path in your .profile to point to the new Tools installation.

Step 8: If using a UNIX server, change your **RPAS_HOME** path in your .profile to point to the new RPAS release. Restart your session for these changes to take effect.

Step 9: For **Scenario 1** only (upgrading from 11.0.3 to 11.0.4), run the upgrade utility on your domain using the command below:

```
domainUpgrade1104 -d domain_path
```

- This script will call the RPAS upgrade1104 utility.
- This script will remove all rule groups except the RPAS ones.

Step 10: Rebuild all custom libraries using the new RPAS release. Move the custom libraries into the \$RPAS_HOME/**applib** directory.

Step 11: Since RPAS no longer references libraries from the **lib** directory of the domain, remove this directory from the domain.

Step 12: Run a **patchinstall** on your domain using the new configuration. The installs directory must be located in your domain home path at the same level as your domain for the patchinstall to work.

Note: This will complete the upgrade process for the RPAS platform, Configuration Tools, and existing domains.

Summary of Changes made since 11.0.3.1 Release

(See the RPAS Configuration User Guide for detailed information on usage)

- Added configuration support for RDF, Curve, and Promote. This includes the addition of new tools that are used specifically to configure these extensions. Note that although the Configuration Tools will allow the extensions to be configured, if the customer has not licensed the extensions the necessary code needed to build domains for them will not be provided. Also note that adding a Curve, Forecasting, or Promote solution extension will result in additional hierarchies being created that are needed for these extensions.
- Added integrated Source Control functionality, which utilizes CVS as the version control system. To use this functionality, CVS must be used for version control, and needs to be installed on the server where configurations are to be stored. A “master” version of the configuration can be stored in CVS, and configuration users can pull a copy of the master configuration to their desktops to make local changes. The local copy of the configuration can then be synchronized with the master copy. NOTE: external communication/coordination between configuration users must take place to ensure that configuration changes made are not inadvertently lost.
- Added Sanity Check support to the Measure, Rule and Installer tools (to support new RPAS 11.0.4 functionality – see RPAS 11.0.4 release notes for additional information)
- Added Position Queries to Worksheet tab within the Workbook tool (to support new RPAS 11.0.4 functionality - see RPAS 11.0.4 release notes for additional information)
- Added non-materialized measure support to the Installer (to support new RPAS 11.0.4 functionality - see RPAS 11.0.4 release notes for additional information). No user intervention is required for this functionality, as the installer automatically determines non-materialized measures.
- Added Wizard Only checkbox to Workbook properties dialog (used by RDF, Curve, and Promote).
- Added flookup function and aggregate procedure to the Rule tool (newly available in RPAS 11.0.4; see RPAS 11.0.4 release notes for additional information).
- Added ability to add a new Hierarchy between the CLND, PROD, LOC and MEAS hierarchies.
- Added Median and Median_Pop to the Agg Method drop down list in the Measure tool (newly available in RPAS 11.0.4; see RPAS 11.0.4 release notes for additional information).

- Removed Axis tab from the Workbook Template properties dialog (was not being used for anything).
- Added ability to add a 2-tree and a 2-tree page within the Wizard tool. Also, added the ability to copy a Wizard and a Wizard group.
- Added Language drop down list and MultiLanguage checkbox to the New configuration dialog. Also added Configuration Language field and MultiLanguage check box to the Properties → General dialog box to display these translation settings. These

Issues Resolved

- Fixed an open problem within the Workbook tool (defect 889) - (wbk template validation – the tool now has validation to ensure that a worksheet intersection cannot be specified which is lower than ALL measures on the worksheet)
- Fixed an open problem within the Workbook tool (defect 949) - (if you make any type of modifications and select Close or Exit, you are not prompted to Save or Cancel your changes, the dialog just closes and your changes are lost).
- Fixed an open problem within the Workbook tool (defect 951) – (When dimensions are added to a hierarchy the order in which they are entered is not being maintained within the Dimension Info table. For example, if you add a dimension, select the added dimension and press the insert key 3 times the order in the Dimension Info table would show 1, 4, 3, 2. The order should be 1,2,3,4).
- Fixed an open problem within the Configuration Manager (defect 356693) – System was allowing the creation of duplicate Projects and Solutions.
- Fixed an open problem within the Measure tool (defect 356819) - Class rename was updating wrong column within the Class Defaults table.

For Your Information

- The domain patch process has been changed to rebuild all rules. Therefore, the patch process should be expected to take as long as the original domain build time.
- When building a domain for the first time, in addition to the directory for the domain, an installs directory gets created at the same level as the domain itself. The installs directory is essential for the patch process, so you should not move or rename this directory.

When sending in an issue to Retek Customer Care, if asked to provide a domain, please be sure to also provide the installs directory with it. For completeness, you should provide the following items in order to help Customer Care better diagnose the issue:

- the configuration
 - the script used to run the rpaInstall script
 - the domain
 - the install directory
 - the log output file
- The MultiLanguage flag and Language selection are editable within the configuration, but they only used during the original, first-time domain build. It is not used during a patchinstall for the domain.
 - You should not rename your configuration directory in Windows Explorer or you will not be able to use it. If you want to rename your configuration, then you should use the rename option within the Configuration Tools or use the Save As option.
 - Some changes with the installation process of the Configuration Tools have been made in this release. These changes are particularly important if you are *not* using the NT server installation of RPAS to build domains. If you are not using the NT server installation of RPAS on your laptop or desktop, then please refer to the RPAS Installation Guide, *Chapter 6: Installing the configuration tools in Windows*, regarding the changes for this release of the Tools. Even if you installed the Configuration Tools previously, you *must* make these changes for release 11.0.4.

Known issues

Issue	Resolution / Workaround
<p>Currently, there is no validation in the Configuration Tools that prevent a user from using the same RPAS name for multiple components. These names must be unique for translation purposes; but regardless of the solution being translated or not, the RPAS names for the components specified must be unique across an entire domain.</p>	<p>The user must make sure that the names below (not labels) must be unique "rpas names" across an entire domain:</p> <ul style="list-style-type: none"> Tab names Window names (generated as Worksheet name + "_w", not user-named) Menu names Menuitem names Wizard left label names (generated as Wizard name + "l", not user named) Wizard right label names (generated as Wizard name + "r", not user named) Measure override label names (generated as Measure name + "l", not user named) Measure override description names (generated as Measure name + "d", not user named) <p>This applies to both single and multiple configurations within the same domain. For example a tab name in one workbook of a solution cannot be the same name as a tab within the same solution or even a tab in a different workbook of a different solution if they are in the same domain.</p> <p>For the names that are generated, you must make sure that the component you can name won't result in the same name as a generated name. For example, cannot name a tab called "inseason_w" and also a worksheet called "inseason" in any workbooks, as the generated window name for that worksheet will be "inseason_w".</p>

Issue	Resolution / Workaround
Cannot delete a project from CVS once it has been added using Source Control.	<p>Workaround is to delete the project from CVS directly.</p> <ol style="list-style-type: none"> 1) Rename, or delete the local copy of the configuration (rename is suggested for backup purposes). 2) Go to the CVS server and locate the configuration 3) Delete the desired Project(s) or Solution(s) within CVS 4) Open the Configuration Tools and import the configuration (File --> Source Control --> Import Configuration)
Workbook templates are not being updated correctly with measure changes (i.e. measure name changes)	Workaround is to open and close workbook properties for any workbooks impacted by the measure changes. This will cause the measure changes to be updated in the workbook.
User defined dimensions with a space in the label are only displaying the first part of the label in the RPAS client (the portion after the space is not being displayed)	Temporary workaround is to not have any spaces in the label
Rule/expression changes are not being updated correctly in the RPAS domain	No workaround for this; the issue has been fixed and will be available in the 11.0.4.1 patch.