

**Retek<sup>®</sup> Demand Forecasting<sup>™</sup>**  
**Retek<sup>®</sup> Curve<sup>™</sup>**  
**Retek<sup>®</sup> Promote<sup>™</sup>**  
**11.1**

**Release Notes**

**ORACLE<sup>®</sup>**

**Retek**



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Contact Method	Contact Information
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Internet (ROCS)	<a href="https://rocs.retek.com">rocs.retek.com</a> Retek's secure client Web site to update and view issues
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Phone	+1 612 587 5800
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- Functional and technical description of the problem (include business impact).
- Detailed step-by-step instructions to recreate.
- Exact error message received.
- Screen shots of each step you take.

## Release details

Solutions:	Retek Demand Forecasting (RDF), Curve, Promote <b>Note:</b> The package may not include all solutions depending on the licensing agreement.
Version Number:	11.1
Code Cut Off Date:	February 18, 2005
Release Date:	April 15, 2005
Type of Release:	Generally available (GA)
Base:	Yes
Patch:	Yes
RPAS Client Version:	ARPOplatform 6
RPAS Server Version:	RPAS 11.1
Acumate Version:	Acumate 25
Supported OS:	Windows NT, Sun Solaris 5.8, AIX 5.2, HP 11.11
Additional Documentation:	Retek Demand Forecasting, Curve, Promote 11.1 Installation Guide Retek Demand Forecasting, Curve, Promote 11.1 User Guide RDF 11.1 Administrator's Guide RPAS 11.1 Administrator's Guide RPAS 11.1 Installation Guide RPAS 11.1 User Guide RPAS 11.1 Configuration Guide RPAS 11.1 Rule Functions Reference Guide RPAS 11.1 Solution Extension Configuration Guide

## Compatible 11.1.x versions of RDF/Promote/Curve and RPAS

The following is a summary of the ARPO Platform version that may be used with each release of RDF, Promote or Curve:

Release Date	RDF, Promote, Curve	ARPO Platform
April 15, 2005	11.1.6	11.1.6

## Patching history

### 04/15/2005

Initial release of RDF 11.1.6 on RPAS 11.1.6 released from the Fulfillment Center

## Release overview

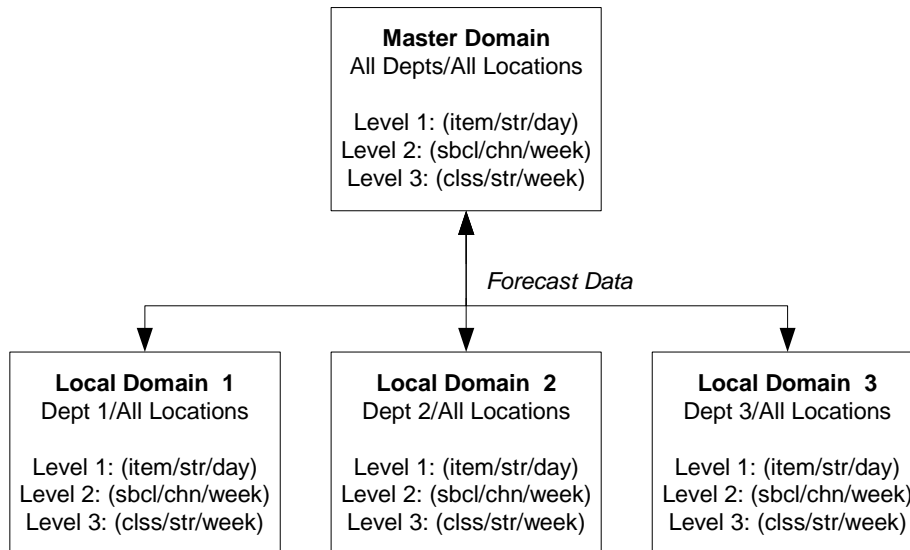
The primary scope defined for the release of RDF 11.1 included the following:

- Support a Global Domain Environment.
- Support the RDF wizard and workbook template configuration through the RPAS Configuration Tools.
- Support configuration changes to the RDF and Curve workbook templates.
- Provide enhanced validation on data entered by the user during configuration and the batch processes.

## Support a Global Domain environment

New to this release is the ability for RDF to support either a Global or Simple Domain environment. A Simple Domain environment supports isolated partitions of data. This type of environment does not allow for data to be aggregated across partitions into a single view. In contrast, a Global Domain environment allows for data partitions to exist; certain data may be edited and viewed across partitions. Within this structure Retek refers to data within a partition as the Local domain (or sub-domain) and the view to data across multiple local domains as the Master domain.

The following diagram represents a Global Domain environment:



### Global Domain environment

Within this structure, batch forecast results across all domains may be viewed within the Master Domain. This functionality is achieved by passing the same forecast birth date (date/time stamp) to each Local Domain when the batch forecast is generated. Please note that this cannot be achieved through the use of the ‘Run Batch Forecast’ wizard. See the RDF 11.1 Administration Guide for more information on the execution of batch forecast processes to support a Global Domain environment.

The RDF solution in a Global Domain environment also supports centralized administration and maintenance of forecast parameters in the Master domain. Additional details on the availability and limitations of all of the RDF, Promote and Curve workbook templates in the Master domain environment is provided in the following sections.

## Support RDF wizard and workbook template configuration through the RPAS Configuration Tools

The RDF, Promote and Curve solution extensions require a special interface within the RPAS Configuration Tools to provide the necessary components to the configuration. This approach lessens the tedious tasks of configuring hierarchies, measures, rules and workbooks that are required to support the solution extension. This special interfaces supporting the solution extensions are referred to as **Plug-Ins**.

The new Plug-in architecture in 11.1 allows for the Solution Extension development teams to utilize base RPAS Configuration Tools functionality and create configuration utilities that meet the specific needs of each solution. In particular, this new architecture now allows for RDF wizard and workbook templates to be configured in the Configuration Tools (as opposed to being expanded just before the domain install using the ‘installtemplates’ script).

### Support configuration changes to RDF and Curve workbook templates

An important goal for RDF 11.1 is to provide our customers more flexible configuration options to modify the GA workbook template configurations. Similar to the 10.5 release, the autogeneration process creates hierarchies, measures and rules needed to support the GA solution. However new to 11.1 is this functionality’s being extended to create the required wizard and workbook templates. Certain changes to the GA Configuration are allowed. Once edits to the GA Configuration are made and the autogeneration process occurs again, valid changes to the configuration are preserved. There is nothing in the RPAS Configuration Tools to prevent invalid changes from being made. The following outlines acceptable changes and restrictions:

**Solution Extension Name** – The name assigned to the resulting solution after autogeneration occurs **cannot** be edited.

**Major and Minor Classes** – Additional Major and Minor classes may be added to the GA Configuration. The Major and Minor classes that are part of the GA Configuration may not be edited. This restriction also applies to Measure Names and Measure Labels.

**Rules** – Additional Rule Sets, Rule Groups and Rules may be added to the GA Configuration. Such changes include support for adding new Rules to existing GA Configuration Rule Groups. Retek recommends that new Rules added to the GA Configuration Rule Groups include ‘cust’ (represents ‘Custom’) in the Rule Name. This terminology allows for easy identification of Rules that are not part of the GA Configuration. Rule Sets, Rule Groups and Rules that are part of the GA Configuration may not be renamed. Existing Rules that are part of the GA Configuration may not be modified in any way.

**Workbook Templates** – Additional Workbook Templates may be added to the RDF and Curve GA Configurations. In addition, new Measures and Rules may be added to the GA Configuration Workbook Templates. These changes are made by adding new Major and Minor classes and then adding new Rules to existing Rule Groups in the GA Configuration.

### Provide enhanced validation on data entered by the user during configuration and the batch processes

New to the 11.1 release is the enhancement of validation criteria of data entered in the solution Plug-ins as well as the parameter information set by the user for the RDF and Curve batch processes. Within the solution plug-ins, users are notified at the time of autogeneration when invalid data has been entered in the configuration. This validation also extends to the installation of the domain. This approach should significantly lessen the introduction of incorrect configuration information into the domain install.

Within the batch processes, additional validation occurs when ‘generate’ and ‘curvebatch’ are executed. The validation criterion checks certain parameter information and returns more meaningful exceptions when invalid information has been entered into the system.



## Other enhancements

- The ability to define both Boolean and continuous (real) promotion variables.
- The Spreading of the Causal Peak generated at Source to the Final level.
- RDF and Curve batch results are split into separate .gem files.
- Forecast Level Label configuration restrictions have been removed.
- 'Item' and 'store' dimension requirements in the product and location hierarchies have been removed.
- Curve Profile Approval wizards have been enhanced to allow hierarchy selections only on the profile intersection.
- The Default Source Level measure is displayed as a pick-list.
- There have been preprocessing performance enhancements.

## Known issues

### RDF

Issue	Issue Owner	Status / Workaround
'generate' is not setting the Forecast Start Date correctly with multiple final levels implemented.	Retek Labs	High Priority: To be fixed in the next patch
The fmain_B database is not deleting after the birth is deleted.	Retek Labs	Medium Priority: To be fixed in a patch
Performance tuning is scoped as a separate project and is currently underway. Changes will be patched into the 11.1 release.	Retek Labs	In Progress: To be applied as a patch
Parameter measures with aggregation methods set to ambig are not displayed properly when viewed at intersections above the base int (as seen in the Forecast Admin, Forecast Maintenance and Forecast Like-item, Sister Store workbooks).	RPAS	Medium Priority: RPAS must determine timing

Issue	Issue Owner	Status / Workaround
All Rule Group names must be unique in the entire configuration before autogeneration of the solution can occur by the Plug-In.	RPAS	Low Priority: This is a limitation of the Tools API.
Autogeneration must occur in the Curve Plug-in before autogeneration can occur in the RDF or Promote Plug-Ins. The order is 1)Curve, 2) RDF, 3) Promote.	Retek Labs	Low Priority: This is a limitation of the Plug-In infrastructure needed to support data validation.
The RDF 11.1 Administration Guide has been released but is considered incomplete.	Retek Labs	High Priority: This document is currently being updated and will be made available on ROCS ASAP.

## Curve

Issue	Issue Owner	Status / Workaround
The Maintenance Intersection is now obsolete and will be removed from both the Curve Plug-in and Profile Administration workbook template.	Retek Labs	Medium Priority: To be fixed in a future patch.
Performance tuning is scoped as a separate project and is currently underway. Changes will be patched into the 11.1 release.	Retek Labs	In Progress: To be applied as a patch.
All Rule Group names must be unique in the entire configuration before autogeneration of the solution can occur by the Plug-In.	RPAS	Low Priority: This is a limitation of the Tools API.
Autogeneration must occur first in the Curve Plug-in before autogeneration can occur in the RDF or Promote Plug-Ins. The order is 1)Curve, 2) RDF, 3) Promote.	Retek Labs	Low Priority: This is a limitation of the Plug-In infrastructure needed to support data validation.

**Promote**

<b>Issue</b>	<b>Issue Owner</b>	<b>Status / Workaround</b>
Performance tuning is scoped as a separate project and is currently underway. Changes will be patched into the 11.1 release.	Retek Labs	In Progress: To be applied as a patch.
All Rule Group names must be unique in the entire configuration before autogeneration of the solution can occur by the Plug-In.	RPAS	Low Priority: This is a limitation of the Tools API.
Autogeneration must occur first in the Curve and RDF Plug-ins before autogeneration can occur in the Promote Plug-Ins. The order is 1)Curve, 2) RDF, 3) Promote.	Retek Labs	Low Priority: This is a limitation of the Plug-In infrastructure needed to support data validation.

# Functional differences

The following sections summarize new features and differences in functionality between this release and former releases:

## RDF

### Executables and scripts

See the RDF 11.1 Administration Guide for changes in this release in support of the following:

- `sciInstall`
- `sciPostInstall`
- `sciPatch`
- `sciPostPatch`
- `autosource`
- `PreGenerateForecast`
- `generate`
- `rdfvalidate`
- `curvevalidate`
- `managefnhbi`
- `curvebatch`

## Database changes

The following summarizes changes made to the databases specified for some measures. The ‘\_F’ indicates that the measure name or database includes the final level number:

- appcumint\_FXB: data/appcumint\_F
- appf\_FXB: data/appf\_F
- appint\_FXB: data/appint\_F
- appk\_FXB, appktmp\_FXB, pp\_FXB, wm\_FXB: data/frcst\_F
- appsysf\_FXB and appsysftmp\_FXB: data/appsys\_F
- cchdaf\_FXB: data/adjf\_F
- lappf\_FXB: data/lappf\_F
- ac\_FXB: data/adjcumint\_F
- af\_FXB: data/adjf\_F
- ai\_FXB: data/adjint\_F
- it\_FXB: data/frcst\_F
- actsf\_FXB: data/actstat\_F
- assf\_FXB: data/fasgls\_F
- citmp\_FXB and sftmp\_FXB: data/frcstsrc\_F
- ci\_FXB: data/cumint\_F
- in\_FXB: data/int\_F
- sf\_FXB: data/sysf\_F

## Plug-In

- If a Global Domain environment is to be implemented, the partition dimension must be defined in the Forecast Common Plug-In.
- New to this release is creation of the RDF solution configuration via the RDF Plug-In.
- New measures and rules can be added to RDF workbooks.

## Forecast Administration

- The Forecast Administration Workbook can be viewed in the Master Domain, Local Domain or Simple Domain environment.
- Removed 'Maximum Number of Forecasts'.
- 'Days to Keep Forecasts': This field is used to set the number of days that the system will store forecasts based on the date/time the forecast is generated. The date/time of forecast generation is also referred to as the 'birth date' of the forecast. A forecast is deleted from the system if the birth date plus the number of days since the birth date is greater than the Days to Keep Forecast. This process occurs when either the 'Run Batch Forecast' wizard is used to generate the forecast or when 'PreGenerateForecast' is executed. See the RDF 11.1 Administration Guide for more information on 'PreGenerateForecast'.
- 'Default Source Level' is now a pick-list of source level names.

## Forecast delete

- The Forecast Delete template can be run in the Master Domain, Local Domain or Simple Domain environment.
- Forecast Delete in the Master Domain: Forecasts with the selected birth date are deleted across all domains in the Global Domain environment.
- Forecast Delete in the Local or Simple Domain: Forecasts with the selected birth date are deleted only in the current domain.

## Forecast maintenance

- The Forecast Maintenance Workbook can be viewed in the Master Domain, Local Domain or Simple Domain environment.
- 'Source Level Override' is now a pick-list of source level names.

## Forecast like-item, sister store

No changes

## Forecast approval

- The Forecast Approval Workbook can be viewed in the Master Domain, Local Domain or Simple Domain environment.
- Additional logic was added to the wizards to account for varying forecast horizons across domain partitions when a Global Domain environment is implemented.
- Additional logic was added to the workbook to prevent the commit of adjustments to time series that are not forecasted in the horizon viewed in the workbook.

## Forecast scorecard

- The Forecast Approval Workbook can be viewed in the Master Domain, Local Domain or Simple Domain environment.
- Changes were made to the calendar wizards to allow Forecast Scorecard to be built using AutoWorkbook functionality.

## Interactive forecasting

No changes

## Run batch forecast

If a Global Domain environment is implemented, forecasts generated in the Local domain using the Run Batch Forecast wizard can be viewed in the Master domain. However, this forecast is isolated to the data in the Local domain. Executing 'PreGenerateForecast' at the Master domain and then passing the output of the process to 'Generate' from the backend of each Local domain allows for the Local domains to share a birth date, thus supporting a view to forecast data across Local domains in the Master domain. See the RDF 11.1 Administration Guide for more information on 'PreGenerateForecast' and 'Generate'.

# Curve

## Executables and scripts

See the RDF 11.1 Administration Guide for changes in this release in support of the following:

- sciInstall
- sciPostInstall
- sciPatch
- sciPostPatch
- curvevalidate
- managefnhbi
- curvebatch

### Database changes

The following summarizes changes made to the databases specified for some measures. The ‘\_F’ indicates that the measure name or database includes the final level number:

pgappby\_F and tmpdateagg\_F: data/pgappdate\_F

pgappdate\_F and tmpstragg\_F: data/pgappby\_F

### Plug-in

- If a Global Domain environment is to be implemented, the partition dimension must be defined in the Forecast Common Plug-In.
- New to this release is creation of the Curve solution configuration via the Curve Plug-In.
- The intersection defined in the Profile Intersection will populate the default value in the Profile and Stored Intersection for the Source Level.
- The intersection defined in the Aggregation Intersection will populate the default value in the Approval and Stored Intersection for the Source Level.
- New measures and rules can be added to Curve workbooks.

### Profile administration

- The Profile Administration Workbook can be viewed in the Master Domain, Local Domain or Simple Domain environment.
- Simplified default parameter settings are now only set on the final profile.
- The Profile Maintenance Intersection was removed because it is no longer required
- The Profile Type Labels are displayed rather than the Profile Type names in the ‘Profile Type’ pick-list.
- The ‘Default Source Profile’ is now a pick-list of profile level names.

### Profile maintenance

- The Profile Maintenance Workbook can be viewed in the Master Domain, Local Domain or Simple Domain environment.
- Training Window exceptions are now only set on the final profile level.

### Profile Approval

No changes

### Run Batch Profile

No changes



# Promote

## Plug-In

- If a Global Domain environment is to be implemented, the partition dimension must be defined in the Forecast Common Plug-In.
- The user may now enter a Default Intersection that will populate the base intersection of any promotion added to the configuration.
- The database may be defined for each promotion.
- Either 'Real' or 'Boolean' measure type can be selected for a promotion.
- New measures and rules can be added to the Promote solution, but not workbooks.

## Promotion planner

No changes

## Promotion maintenance

No changes

## Promotion effectiveness

No changes