

# Retek<sup>®</sup> TopPlan<sup>™</sup> 10.5.1

## Installation Guide



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- Detailed step by step instructions to recreate.
- Exact error message received.
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# Contents

<b>Chapter 1 – Introduction.....</b>	<b>1</b>
About TopPlan Installation Process .....	1
Intended Audience.....	1
About this Document .....	1
<b>Chapter 2 – TopPlan Installation Instructions .....</b>	<b>3</b>
Overview of process steps.....	3
Step 0: Extract files for installation .....	4
Step 1: Install server-side software.....	5
Step 2: Build the Stock Ledger Domain .....	6
Step 3: Build the TopPlan Domain.....	6
Step 4: Load data into the Stock Ledger Domain.....	9
Step 5: Transfer Data to TopPlan Domain .....	9
Step 6: Process Alerts for TopPlan.....	11
Step 7: Run a Forecast for TopPlan.....	11
Step 8: Load Actuals in to Cp versions for TopPlan .....	14
Step 9: Start the RPAS DomainDaemon .....	15
Step 10: Install the RPAS Client .....	15
Step 11: Configure the RPAS Client to use the domains .....	15
Step 12: Install the configuration tools (optional) .....	15



# Chapter 1 – Introduction

## About TopPlan Installation Process

This document provides instructions on installing TopPlan and/or ChannelPlan v10.5.1.1 on the RPAS 11.0.4 platform. The process described in this document begins after the .zip files have been properly downloaded from <http://fulfillment.retek.com>. License keys for licensed products must be obtained prior to beginning the installation process.

## Intended Audience

This document is intended for anyone that needs to install the RPAS software and create TopPlan (Retail, Cost, or Channel) domains. This document explains the process to create a domain using existing TopPlan and Stock Ledger configurations.

## About this Document

This document provides detailed instructions for how to install a TopPlan and Stock Ledger configuration on a RPAS 11.0.4 domain using an existing configuration created using the Configuration Tools (TPGA configuration and SLGA configuration). This document does not describe how to create the actual TopPlan configuration.

Supplemental installations guides are referenced in this document. The RPAS Installation Guide, RPAS Configuration Guide must be obtained prior to beginning the installation process.

Please read this document in its entirety before beginning the installation.

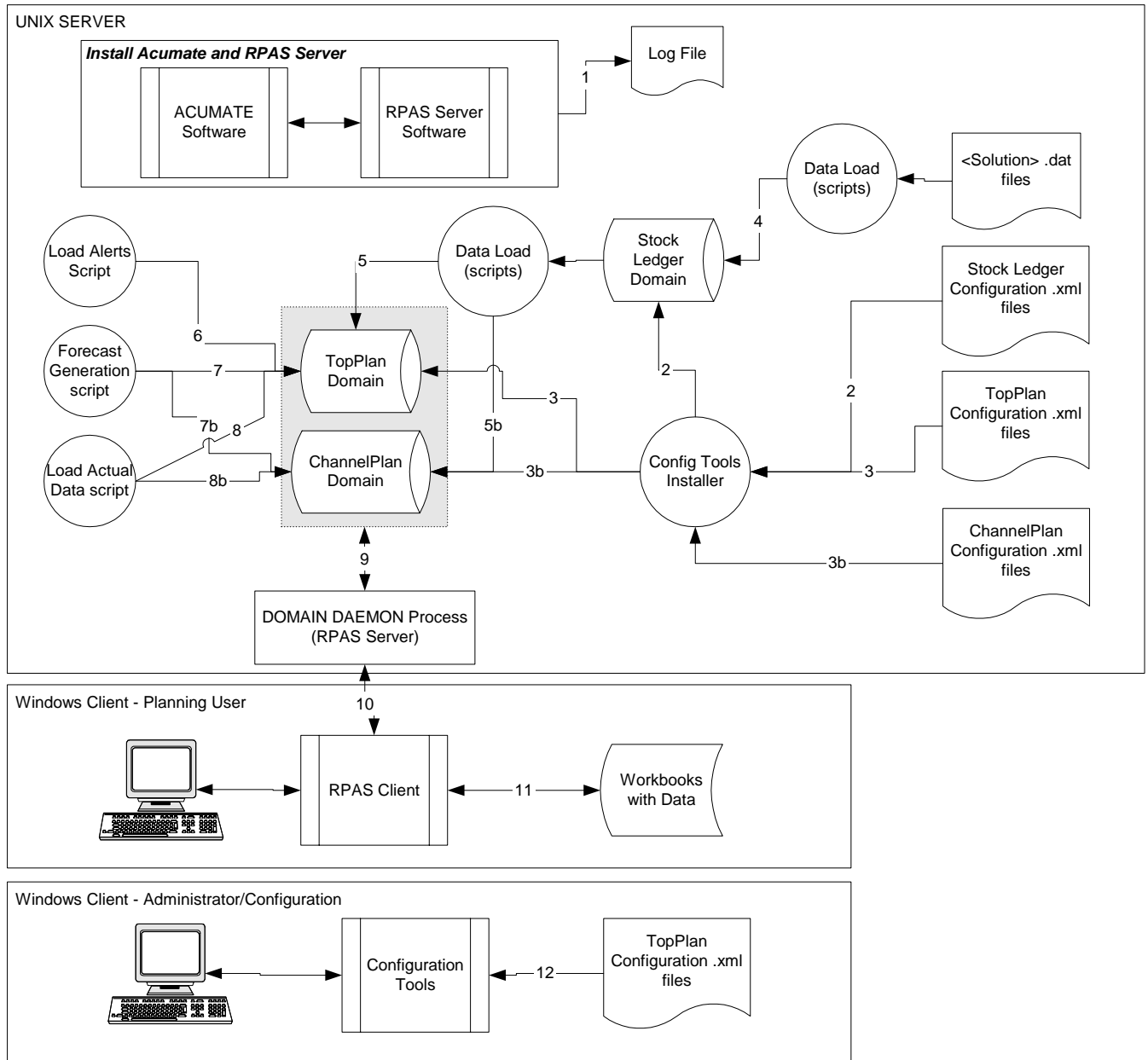




## Chapter 2 – TopPlan Installation Instructions

### Overview of process steps

This diagram shows an overview of the steps involved in the installation of all the software components required for a typical TopPlan product installation. This section will review and document each of the steps in this diagram, referring to each step by the number indicated on the flow chart.



## Step 0: Extract files for installation

The RPAS Client and Server software are provided to you in a .zip format. Prior to beginning this process you must have downloaded the following .zip files from <http://fulfillment.retek.com>. You must have also obtained a proper license key from Retek for the use of this software. The following .zip files are required for this installation process:

- 1 ARPOplatform-<version>.<platform>.zip – where <version> is the current RPAS version and <platform> is your operating system platform (AIX, SUN, HP, NT)  
e.g. ARPOplatform-11.0.4.aix.zip
- 2 ARPOplatform-<version>.docs.zip  
e.g. ARPOplatform-11.0.4.docs.zip
- 3 FinancialPlanning<version>.zip  
e.g. FinancialPlanning10.5.1.zip
- 4 FinancialPlanning<version>.docs.zip  
e.g. FinancialPlanning10.5.1.docs.zip

### Step 0.1

Unzip the ARPOplatform-<version>.<platform>.zip file to a location on the server where the software is to be installed. For this guide, assume that location is called /root/arpo\_temp.

The following subfolders will be created in /root/arpo\_temp:

- /Acumate – contains the setup files for the Acumate installation
- /Client – contains the setup files for the RPAS client installation
- /RpasServer – contains the setup files for the RPAS Server installation
- /Tools – contains the .zip file for the configuration tools installation

### Step 0.2

Unzip the ARPOplatform-<version>.docs.zip file to a location on the server . The following documentation guides will be extracted:

- RPAS 11.0.4 Administration Guide rpas-1104-ag.pdf
- RPAS 11.0.4 Installation Guide rpas-1104-ig.doc
- RPAS 11.0.4 Calculation Engine User Guide rpas-1104-ceug.pdf
- RPAS 11.0.4 Configuration Guide rpas-1104-cg.pdf
- RPAS 11.0.4 Configuration Tools Release Notes rpas-1103-ctrn.pdf
- RPAS 11.0.4 Release Notes rpas-1104-rn.pdf
- RPAS 11.0.4 User Guide rpas-1104-ug.pdf

**Step 0.3**

Unzip the FinancialPlanning<version>.zip file to a location on the server . For this guide, assume that location is called /root/fp\_temp and the version is 10.5.1.

The following subfolders will be created in /root/fp\_temp:

/FinancialPlanning10.5.1

/FinancialPlanning10.5.1/scripts - Data load and transfer scripts

/FinancialPlanning10.5.1/data – hierarchy and sample data

/FinancialPlanning10.5.1/configurations – Configuration files for use in building the domains

/FinancialPlanning10.5.1/configurations/stock/SLGA

/FinancialPlanning10.5.1/configurations/retail/TPGA

/FinancialPlanning10.5.1/configurations/cost/TPGA

/FinancialPlanning10.5.1/configurations/channel/TPGA

**Step 0.4**

Unzip the FinancialPlanning<version>.docs.zip file to a location on the server .

This file contains the following documents:

- ChannelPlan 10.5.1 User Guide channelplan-1051-ug.pdf
- TopPlan 10.5.1 Administration Guide topplan-1051-ag.pdf
- TopPlan 10.5.1 Installation Guide topplan-1051-ig.doc
- TopPlan 10.5.1 Release Notes topplan-1051-rn.pdf
- TopPlan 10.5.1 Cost Accounting User Guide topplan-1051-caug.pdf
- TopPlan 10.5.1 Retail Accounting User Guide topplan-1051-raug.pdf

**Step 1: Install server-side software**

This step will install the database-access software, Acumate, and the RPAS Server-side software. Also required is the installation of the configuration tools domain installer. All steps are required for a successful TopPlan installation.

**Step 1.1**

Please refer to the RPAS 11.0.4 Installation Guide for an overview and instructions on how to install Acumate and the RPAS server software. Note the location of the installation files that were unzipped in Step 0.1.

**Step 1.2**

Please refer to the RPAS 11.0.4 Installation Guide, Chapter 6 – Configuration Tools Installation for instructions on how to install the configuration tools. Note the location of the zip file that was unzipped in Step 0.1.

**Note:** The configuration tools installation will install all tools components as part of the installation process. However, only the tools domain installer program is utilized on the server. A system administrator on a Windows client machine uses the remaining components.

## Step 2: Build the Stock Ledger Domain

**Note:** You may skip this step if the Stock Ledger Domain has been built as a result of another product installation such as KeyPlan.

The TopPlan Stock Ledger is an RPAS domain that is used as a staging area for data that is to be loaded from an external file. Data in the Stock Ledger domain is later transferred to the TopPlan GA domain.

Please refer to the RPAS 11.0.4 Configuration Guide, Chapter 12– Building an RPAS domain for instructions on how to build a domain from an existing configuration.

In this document we will assume a Stock Ledger Domain was created in /root/domains/stock/SL

The configuration to use to build the Stock Ledger Domain is named SLGA. Using the file location from Step 0.3, the location of the Stock Ledger configuration would be:

```
/FinancialPlanning10.5.1/configurations/stock/SLGA
```

You will need this information as a reference when referring to the RPAS 11.0.4 configuration guide domain building process.

**Note:** If the following message is encountered during the Domain Build Process, please disregard as the regFestFunctions.sh script will resolve this issue.

```
“Warning: unable to parse new expression (Unknown special expression: Forecast)”
```

## Step 3: Build the TopPlan Domain

The TopPlan domain is the domain that the planning users will use to build their plans. There are 2 TopPlan configurations that can be used to create the domain: retail and cost. The retail configuration contains measures and rules that reflect the Retail accounting method. The cost configuration contains measures and rules that reflect the Cost accounting method.

You must know which configuration you want to use before running this step. One of the two configurations must be chosen to build the domain. If the domain is build with the wrong configuration, the existing domain must be deleted and a new one created.

Please refer to the RPAS 11.0.4 Configuration Guide, Chapter 12 – Building an RPAS domain for instructions on how to build a domain from an existing configuration.

The domain build process requires the following files to be available for use in building the domain: Ensure these files are located in the /FinancialPlanning10.5.1/data directory. You will need to refer to these files and their location as part of the domain build process:

- prod.dat
- loc.dat
- clnd.dat
- hdwr.dat

**Note:** For the purposes of later examples used in this document we will assume a TopPlan Domain was created in the following location  
/root/domains/TP\_Domain/PLAN

The configuration to use to build the TopPlan domain is named TPGA. Using the file location from Step 0.3, the location of the TopPlan configuration would be:

/FinancialPlanning10.5.1/configurations/retail/TPGA (for retail accounting)

or

/FinancialPlanning10.5.1/configurations/cost/TPGA (for cost accounting)

You will need this information as a reference when referring to the RPAS 11.0.4 configuration guide domain building process.

**Note:** If the following message is encountered during the Domain Build Process, please disregard as the regFcstFunctions.sh script will resolve this issue.

“Warning: unable to parse new expression (Unknown special expression: Forecast)”

### Step 3a: Copy scripts to the domain scripts directory

Once the TopPlan domain has been created, copy the following scripts from the solution directory /FinancialPlanning10.5.1/scripts to the domain scripts folder /root/domains/TP\_Domain/PLAN/scripts.

- loadmeas.sh (used in StockLedger dataload)
- set\_slpath.sh
- xferSLdata.sh
- regFcstFunction.sh
- runFcst.sh – for TopPlan Cost and Retail only
- runFcstChannel.sh – for ChannelPlan only
- actualizeCp.sh
- createAlertsCost.sh – for TopPlan Cost only
- createAlertsRetail.sh - for TopPlan Retail only
- findAlertsCost.sh – for TopPlan Cost
- findAlertsRetail.sh – for TopPlan Retail only

**Step 3b: Build the ChannelPlan Domain (optional)**

If your company has purchased a license for the ChannelPlan solution, follow these steps for its installation. The ChannelPlan domain must be built as a separate and unique domain, from that of the TopPlan and KeyPlan domains.

Please refer to the RPAS 11.0.4 Configuration Guide, Chapter 12 – Building an RPAS Domain for instructions on how to build a domain from an existing configuration.

The domain build process requires the following files to be available for use in building the domain: Ensure these files are located in the /FinancialPlanning10.5.1/data directory. You will need to refer to these files and their location as part of the domain build process:

- prod.dat
- loc.dat
- clnd.dat
- hdwr.dat

**Note:** For the purposes of later examples used in this document we will assume a ChannelPlan Domain was created in the following location  
/root/domains/CHANNEL/PLAN

The configuration to use to build the TopPlan domain is named TPGA. Using the file location from Step 0.3, the location of the TopPlan configuration would be:

/FinancialPlanning10.5.1/configurations/channel/TPGA

You will need this information as a reference when referring to the RPAS 11.0.4 configuration guide domain building process.

**Note:** If the following message is encountered during the Domain Build Process, please disregard as the regFcstFunctions.sh script will resolve this issue.

“Warning: unable to parse new expression (Unknown special expression: Forecast)”

**Step 3c: Copy scripts to the domain scripts directory**

Once the ChannelPlan domain has been created, copy the following scripts from the solution directory /FinancialPlanning10.5.1/scripts to the domain scripts folder /root/domains/CHANNEL/PLAN/scripts.

- loadmeas.sh (used in StockLedger dataload)
- set\_slpath.sh
- xferSLdata.sh
- regFcstFunction.sh
- runFcstChannel.sh
- actualizeCp.sh

## Step 4: Load data into the Stock Ledger Domain

The TopPlan, ChannelPlan, and KeyPlan v10.5.1 GA solutions have been delivered with sample data. This data may be loaded into the Stock Ledger domain for later transfer to the planning domains. You may substitute your company's data for the sample data if you wish, however the data files must conform in format to those being provided.

Data is loaded into the Stock Ledger Domain at the sku/str/day level and transferred and aggregated to TopPlan.

**Note:** If this process has been run once before on this same stock ledger domain (for example, as a result of building the TopPlan domain) you may skip step 4 in its entirety.

### Step 4.1

Copy the files measdata.ovr and onorder.ovr from /root/fp\_temp/FinancialPlanning10.5.1/data to the input directory of the Stock Ledger domain, /root/domains/stock/SL/input

### Step 4.2

Navigate to the directory /root/domains/TP\_Domain/PLAN/scripts and run the script loadmeas.sh using following syntax:

```
loadmeas.sh <<Absolute_Path_To_Stock_Ledger_Domain>>
Sldataload.log
```

For example, if the Stock Ledger domain were located at /root/domains/stock/SL, the loadmeas command would be the following:

```
loadmeas.sh /root/domains/stock/SL > Sldataload.log
```

## Step 5: Transfer Data to TopPlan Domain

### Step 5.1

Run /root/domains/TP\_Domain/PLAN/scripts/set\_slpath.sh using the following 2 parameters:

```
set_slpath.sh <<Absolute_Path_To_TopPlan_Domain>>
<<Relative_Path_To_StockLedger_Domain>>
```

For example, if the Stock Ledger domain were located at /root/domains/stock/SL and the TopPlan domain were located at /root/domains/TP\_Domain/PLAN, set\_slpath.sh would be run in the following manner:

```
set_slpath.sh /root/domains/TP_Domain/PLAN
../../stock/SL
```

**Step 5.2**

Run `/root/domains/TP_Domain/PLAN/scripts/xferStockLedgerData.sh` using the following parameter:

```
xferSLdata.sh <<Absolute_Path_To_TopPlan_Domain>> >
xfer.log
```

For example,

```
xferSLdata.sh /root/domains/TP_Domain/PLAN > xfer.log
```

**Step 5b: Transfer Data to ChannelPlan Domain**

Skip this step if ChannelPlan is not being installed.

**Step 5b.1**

Run `/root/domains/CHANNEL/PLAN/scripts/set_slpath.sh` using the following 2 parameters:

```
set_slpath.sh <<Absolute_Path_To_ChannelPlan_Domain>>
<<Relative_Path_To_StockLedger_Domain>>
```

For example, if the Stock Ledger domain were located at `/root/domains/stock/SL` and the TopPlan domain were located at `/root/domains/CHANNEL/PLAN`, `set_slpath.sh` would be run in the following manner:

```
set_slpath.sh /root/domains/CHANNEL/PLAN ../../stock/SL
```

**Step 5b.2**

Run `/root/domains/CHANNEL/PLAN/scripts/xferSLdata.sh` using the following parameter:

```
xferSLdata.sh <<Absolute_Path_To_ChannelPlan_Domain>> >
xfer.log
```

For example,

```
xferSLdata.sh /root/domains/CHANNEL/PLAN > xfer.log
```



## Step 6: Process Alerts for TopPlan

### Step 6.1: Register Alerts

Run `/root/domains/TP_Domain/PLAN/scripts/createAlertsCost.sh` (for cost accounting) or `/root/domains/TP_Domain/PLAN/scripts/createAlertsRetail` (for retail accounting) using the following parameters.

```
createAlertsCost.sh <<Absolute_Path_To_Cost_Domain>> >
createAlerts.log
```

or

```
createAlertsRetail.sh <<Absolute_Path_To_Retail_Domain>>
> createAlerts.log
```

For example:

```
createAlertsRetail.sh /root/domains/TP_Domain/PLAN >
xfer.log
```

### Step 6.2: Find Alerts

Run `/root/domains/TP_Domain/PLAN/scripts/findAlertsCost.sh` (for cost accounting) or `/root/domains/TP_Domain/PLAN/scripts/findAlertsRetail` (for retail accounting) using the following parameters.

```
findAlertsCost.sh <<Absolute_Path_To_Cost_Domain>> >
findAlerts.log
```

or

```
findAlertsRetail.sh <<Absolute_Path_To_Retail_Domain>> >
findAlerts.log
```

For example,

```
findAlertsRetail.sh /root/domains/TP_Domain/PLAN >
xfer.log
```

## Step 7: Run a Forecast for TopPlan

TopPlan (all configurations) is delivered with the ability to create a forecast. The forecast is a program that will calculate the projected demand using a statistical model. The instructions for registering the forecast function, and generating the demand values are included below.

### Step 7.1

This script will register the forecast library into the domain. Run `/root/domains/TP_Domain/PLAN/scripts/regFcstFunction.sh` using the following parameter.

```
regFcstFunction.sh <<Absolute_Path_To_TopPlan_Domain>>
```

For example,

```
regFcstFunction.sh /root/domains/TP_Domain/PLAN
```

A “Registration Completed.” should be returned upon the script’s completion.

**Step 7.2**

This script will run the forecast and populate the demand forecast measure within the domain. Run `/root/domains/TP_Domain/PLAN/scripts/runFcst.sh` using the following parameter.

```
runFcst.sh <<Absolute_Path_To_TopPlan_Domain>> >
fcst.log
```

For example,

```
runFcst.sh /root/domains/TP_Domain/PLAN > fcst.log
```

Verify there are no errors in the `fcst.log`. There will be a report of successful forecasts generated in the `fcst.log`.

Locate the `PfpDemandR` measure. It should appear in a format like this message:

```
1 =/ ../other.PFPDEMANDR%1
```

The log should show a number in the “Called” and the “Succeeded” column for the “Average” method for the measure “`PFPDemandR`”. For example:

```
-----
Handled:      111 forecasts out of      111 in 0 seconds
-----
Method                                Called      Succeeded
-----
AutoES                                0           0
Simple                                0           0
Holt                                  0           0
Winters                               0           0
Causal                                0           0
Average                               111          111
Croston                               0           0
M. Winters                            0           0
A. Winters                            0           0
Simple Croston                        0           0
Bayesian                              0           0
Profile                               0           0
-----
Model                                Chosen
-----
Average                               111
Forecast finished
autoes destructor called
Successful.
```

Next, locate the PFiDemandR measure. It should appear like this message:

```
1 =/ ../other.PFIDEMANDR%1
```

The log should show a number in the “Called” and the “Succeeded” column for the “Bayesian” method for the measure “PFiDemandR”. For example:

```
-----
Handled:      111 forecasts out of      111 in 0 seconds
-----

Method                                Called      Succeeded
-----
AutoES                                0           0
Simple                                0           0
Holt                                   0           0
Winters                                0           0
Causal                                0           0
Average                                0           0
Croston                                0           0
M. Winters                             0           0
A. Winters                             0           0
Simple Croston                          0           0
Bayesian                              111         111
Profile                                0           0
-----

Model                                Chosen
-----

Forecast finished
autoes destructor called
Successful.
```

### Step 7b: Run a Forecast for ChannelPlan

**Note:** Skip this step if ChannelPlan is not being installed.

ChannelPlan is delivered with the ability to create a forecast. The forecast is a program that will calculate the projected demand using a statistical model. The instructions for registering the forecast function, and generating the demand values are included below.

#### Step 7b.1

This script will register the forecast library into the domain. Run /root/domains/CHANNEL/PLAN/scripts/regFcstFunction.sh using the following parameter.

```
regFcstFunction.sh
<<Absolute_Path_To_ChannelPlan_Domain>>
```

For example,

```
regFcstFunction.sh /root/domains/CHANNEL/PLAN
```

A “Registration Completed.” should be returned upon the script’s completion.

### Step 7b.2

This script will run the forecast and populate the demand forecast measure within the domain. Run `/root/domains/CHANNEL/PLAN/scripts/runFcstChannel.sh` using the following parameter.

```
runFcst.sh <<Absolute_Path_To_ChannelPlan_Domain>> >
fcst.log
```

For example,

```
runFcstChannel.sh /root/domains/CHANNEL/PLAN > fcst.log
```

Verify there are no errors in the `fcst.log`. There will be a report of successful forecasts generated in the `fcst.log`. The log should also show a number in the “successful” column and the “completed” column for the “Average” method for the measure “CFpDemandR” and also a number in the “successful” column and the “completed” column for the “Bayesian” method for the measure “CFiDemandR”.

## Step 8: Load Actuals in to Cp versions for TopPlan

This script will load actual data into the TopPlan Cp plan version.

### Step 8.1

Run `/root/domains/TP_Domain/PLAN/scripts/actualizeCp.sh` using the following parameter:

```
actualizeCp.sh <<Absolute_Path_To_TopPlan_Domain>> >
actualizeCp.log
```

For example,

```
actualizeCp.sh /root/domains/TP_Domain/PLAN >
actualizeCp.log.
```

Verify there are no errors in the `actualizeCp.log`.

### Step 8b: Load Actuals in to Cp versions for ChannelPlan

**Note:** Skip this step if ChannelPlan is not being installed.

This script will load actual data into the ChannelPlan Cp plan version.

**Step 8b.1**

Run /root/domains/CHANNEL/PLAN/scripts/actualizeCp.sh using the following parameter:

```
actualizeCp.sh <<Absolute_Path_To_ChannelPlan_Domain>> >
actualizeCp.log
```

For example,

```
actualizeCp.sh /root/domains/CHANNEL/PLAN >
actualizeCp.log.
```

Verify there are no errors in the actualizeCp.log.

**Step 9: Start the RPAS DomainDaemon**

The RPAS DomainDaemon process runs on the server. It allows a user to access any domain on the server using the RPAS client installed on their local machine.

Please refer to the RPAS 11.0.4 Administrator's Guide, Chapter 2 – Domain Administration for instructions on how to start the DomainDaemon.

**Note:** You will need to record the port number that is used to start the process. It will be needed to install and configure each RPAS client that is installed.

**Step 10: Install the RPAS Client**

The RPAS client must be installed on any (Windows) machine that will be used to access the planning domains.

Please refer to the RPAS Installation Guide, Chapter 5 - RPAS Client Installation, for instructions on how to install and use the RPAS Client.

The client files are found in the Client directory, which was created in Step 0.1 when the ARPOPlatform zip file was extracted.

**Step 11: Configure the RPAS Client to use the domains**

The RPAS client must be configured to point to the newly created domains.

Please refer to the RPAS Configuration Guide, Chapter 11 – Configuring the RPAS client, for instructions on how to configure the RPAS Client.

This step must be performed in order to use the domains

**Step 12: Install the configuration tools (optional)**

The configuration tools must be installed on a Windows client so that the system administrator can make changes to the domain configuration.

This is an optional step and is only required to be done on the administrator's machine, or the person who has been identified to support the GA configurations, TopPlan, ChannelPlan, and KeyPlan.

Please refer to the RPAS Installation Guide, Chapter 6 – Configuration Tools Installation for instructions on how to use the configuration tools.