



PAXSTORE

**PAXSTORE Parameter Variables-Reseller Admin QRG**

**05-27-2025**

**V1.0**

## Preface

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### TECHNICAL SUPPORT CONTACT INFORMATION

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**URL: [www.pax.us](http://www.pax.us)**

## Revision History

Date	Version	Description
10-20-2020	V0.1	Initial Draft Release
11-06-2020	V1.0	Initial Release
05-27-2025	V1.1	Updated Version

## Table of Contents

Preface.....	1
Technical Support.....	1
Technical Support Contact Information.....	1
1.1 Purpose.....	1
1.2 Intended Audience.....	1
2. Parameter Variables.....	2
2.1 Marketplace Level ParameterVariables.....	2
2.2 MerchantLevelParameterVariables.....	2
2.3 Terminal Level Variables.....	2
3.1 Implementation.....	2
3.1 Template Method.....	2
3.2 PName Method.....	3
4. DefiningtheParameterVariables.....	3
4.1 MP Level.....	3
4.2 Merchant Level.....	3
4.3 Terminal Level.....	4
CustomerSupport.....	4

## 1. Introduction

Parameter Variables are a PAXSTORE feature that allows you to configure specific Parameters with fixed values. This allows the user to utilize the group management tools available in PAXSTORE to update applications on multiple terminals in one push. These Variables can be defined at the Marketplace (if on a Premium MP), Merchant or Terminal level.

### 1.1 Purpose

This document serves as a quick reference to create, edit and delete Parameter Variables.

### 1.2 Intended Audience

This document is intended to be used by anyone that deploys terminals and might need to update the application on a group of terminals.

## 2. Parameter Variable Levels

### 2.1 Marketplace Level Variable

Marketplace level variables are only available on Premium Marketplaces, they are not available on the Public Marketplaces. Note that a Marketplace Level Variable will appear on every terminal in the Marketplace. An example of a Marketplace Level variable you might set would be the Payment application password.

### 2.2 Merchant Level Variable

Merchant Level variables are best used to define parameters that are the same for every terminal that belongs to that merchant. For example: The Merchant ID number.

### 2.3 Terminal Level Variable

This level is the primary method of using Parameter Variables, and the terminal level variable takes precedence over other levels. This level is used to configure all unique terminal information. For example: The Terminal ID.

## 3.0 Implementation

There are two methods used to implement Parameter Variables, one method uses templates with keys input into the appropriate parameter field, the second method uses the “PName” of the field as the key and does not rely on specific templates.

## Template Method

To use this method, you must first create a push template for the application. Once created, find all the parameters you would like to use variables for and input the key into the field in the specified format. The key can be any string you choose, but it is best practice to make it easily identifiable as to what parameter it belongs to, i.e. if you were creating a variable for the Merchant Identification Number, you might name the key MID. You would then input that key in the following format: `#{mid}`. That format tells PAXSTORE when pushing that template to substitute the value for that key in the terminal record. Example below:

The screenshot displays the 'Edit Parameter' interface for the 'BroadPOS Omaha' application. The interface is divided into a sidebar on the left and a main content area on the right. The sidebar shows the application's status as 'Online', package name 'com.pax.us.pay.stf.d...', version 'V1.04.23E\_20241211', and developer 'PAX USB0'. The main content area has a 'Select Parameter Template' dropdown set to 'retail.zip'. Below this is a 'Please fill in the form of the parameter file' instruction and a row of tabs: 'INDUSTRY', 'EDC', 'RECEIPT', 'TIP', 'MISC', 'UPTRILLION', 'FIRST DATA OMAHA', 'COMMUNICATION', 'CARD TYPE', 'BIN FILE', 'EMV', 'EXTERNAL DEVICE', and 'POS'. The 'FIRST DATA OMAHA' tab is active, showing 'HOST FEATURES' and 'MERCHANT PARAMETERS' sections. In the 'MERCHANT PARAMETERS' section, the 'Merchant Number' field is set to '#{mid}' and the 'Device ID' field is set to '#{did}', both highlighted with red boxes. Other fields include 'Terminal ID' (PP01), 'TPP ID' (DPX003), and 'ETC Type' (Dial To Host).

## PName Method

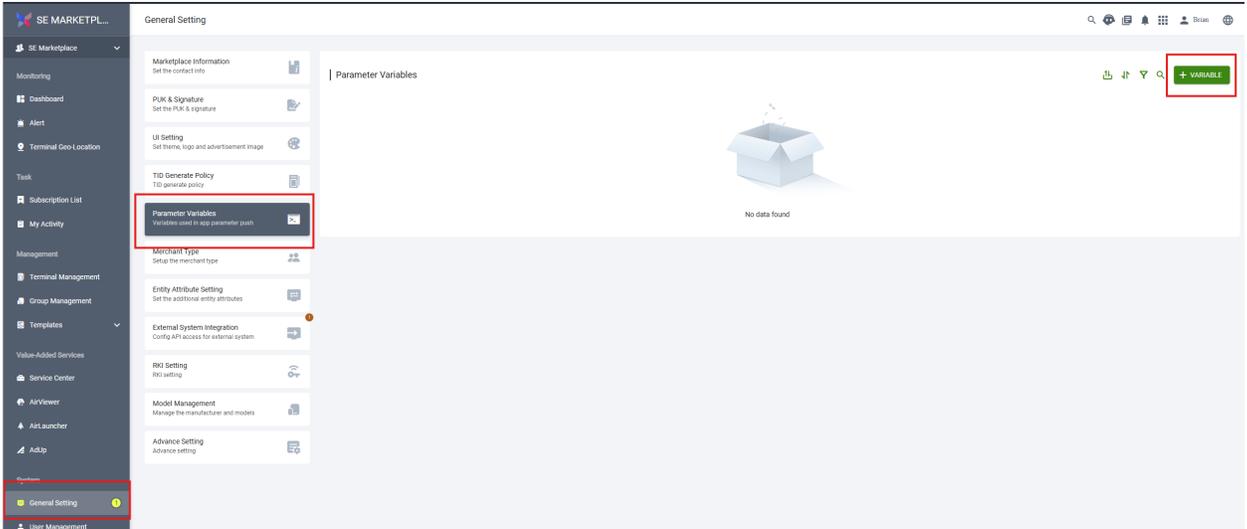
This method requires slightly more work to gather the required data but is more robust in that it does not require a specific template to be pushed. Each parameter in an application has an identifier, this is called, by PAX, that fields PName. When using this method of implementing Parameter Variables, you gather the PNames for the field you want to configure, then use that PName as the key when defining the variables in PAXSTORE. The most common method of gathering the PName is to run an App Parameter Report in your PAXSTORE Report Center and choose the fields you want to know the values and PNames for. Example of App Parameter Report below:

	A	B	C	D	E	F	G
1	App Parameter Report						
2							
3	Report Generated Date:						
4	Application: BroadPOS						
5	Parameter Template: re						
6							
7	Serial No	Application Version	omaha.param.MID	omaha.param.deviceID			
8							
9							
10							
11							

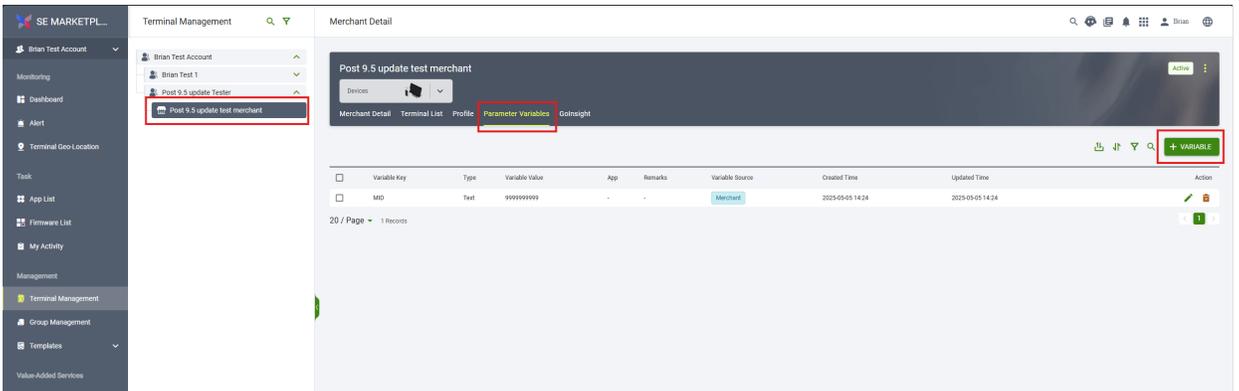
### Defining Parameter Variables

Choose the level you want to define the variable at.

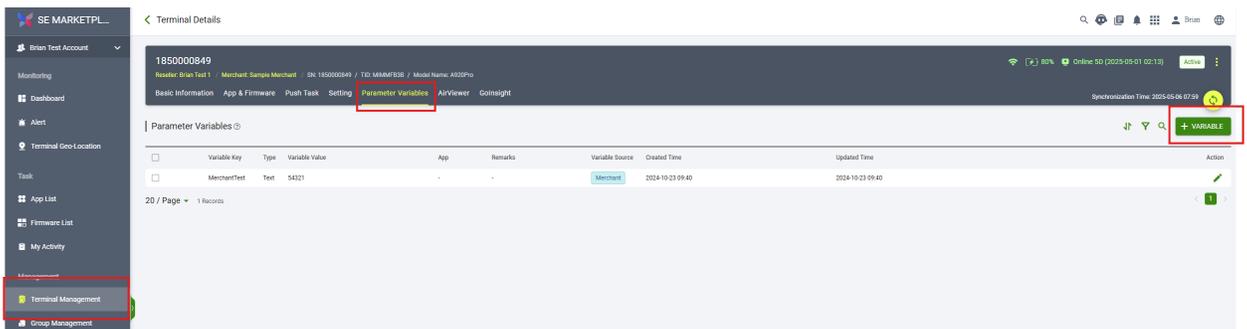
MP Level – Navigate to the General Setting Tab in PAXSTORE then choose Parameter Variables as shown below:



**Merchant Level** – Navigate to the Merchant you are configuring the variables for then choose Parameter Variables as shown below:



**Terminal Level** – Navigate to the terminal you are configuring the variables for and then choose Parameter Variables as shown below:



## Setting the Value of the Variable (Manual Method)

Press the +Variable button shown above in all examples; this will open the variable dialog box below:

The screenshot shows a 'Create Variable' dialog box with the following fields and controls:

- Variable Key:** A text input field with a red asterisk indicating it is required.
- Type:** A dropdown menu currently set to 'Text', with a red asterisk indicating it is required.
- Variable Value:** A text input field.
- App:** A dropdown menu with the text 'Please Select' and a list icon.
- Remarks:** A text input field.
- Buttons:** 'CANCEL' and 'OK' buttons at the bottom right.

**The Variable** key goes in the top line. Note if you are using the template method, you just list the key, do not use the special formatting.

The type is either Text or Password, text Variables are displayed in clear text when looking at the Terminal Parameter Variable list, password variables are obscured.

The next line is where the Value of the Variable is input

If you want the variable to only apply to a specific application, choose that application in the App Line

The Remarks line is for any notes you have about the variable.

See filled out examples below:

### Implementation Method 1

#### Create Variable

Variable Key  
**mid** \*

Type  
**Text** ▼ \*

Variable Value  
**987654321**

App  
BroadPOS Omaha (com.pax.us.pay.std.omaha) ⌵

Remarks  
**This is the Merchant ID number**

CANCEL OK

### Implementation Method 2:

### Create Variable

Variable Key  
**omaha.param.MID** \*

---

Type  
**Text** ▼ \*

---

Variable Value  
**987654321**

---

App  
BroadPOS Omaha (com.pax.us.pay.std.omaha) 📄

---

Remarks  
**This is the Merchant ID number**

---

CANCEL OK

### Setting the Value of Variables (Import Method)

Rather than manually creating every variable, you can import and configure multiple variables at once. To do this navigate to the Mass Operations Button in PAXSTORE and choose Import Variable (example below)

The screenshot shows the PAXSTORE interface. On the left, the 'Terminal Management' menu is highlighted. The main area displays the 'Reseller Detail' for 'Brian Test Account'. A table of terminals is shown with columns for Terminal Name, SN, TID, Model, Reseller, and Merchant. The 'Mass Operations' dialog box is open, and the 'Import Variable' option is highlighted with a red box.

Terminal Name	SN	TID	Model	Reseller	Merchant
1850000849	1850000849	MMMF83B	PAX-A92Pro	Brian Test 1	Sample M
2270001518	2270001518	OLANGWLQ	PAX-E600M	Post 9.5 update Tester	Post 9.5 u

When the Import Variable Dialog box opens...

- First download the Variable Template

## Import Variable

Please select a file to import. The imported file supports up to 5MB and 5000 records.

| File Upload

↓ VARIABLE TEMPLATE

Choose Variable File

CANCEL
OK

Once downloaded, open the template, remove the example data, and input your variables as necessary. Note each variable is a separate line in the template, and you are limited to 5000 lines in a single import.

Terminal Serial No	Terminal TID	Application Package	Variable Key	Variable Value	Type (Default is text(T), if variable is used as password, set the Type to P)	Remarks
1850000849		com.pax.us.pay.std.omaha	mid	987654321		This is the Merchant Number
1850000849		com.pax.us.pay.std.omaha	omaha.param.deviceID	0849		This is the Device ID

Once filled out, save the form and re-select Import Variable under Mass Operations and choose the file you saved. Once successfully imported, navigate to the Parameter Variables for the terminal to verify the information

1850000849  
Reader: Brian Test 1 / Merchant: Sample Merchant / SN: 1850000849 / TID: MMM1338 / Model Name: A929Pro  
Basic Information App & Firmware Push Task Setting **Parameter Variables** AirViewer GoInsight

Synchronization Time: 2025-05-06 07:59

| Parameter Variables | + VARIABLE

<input type="checkbox"/>	Variable Key	Type	Variable Value	App	Remarks	Variable Source	Created Time	Updated Time	Action
<input type="checkbox"/>	omaha.param.deviceID	Text	0849	BroadPOS Omaha (com.pax.us.pay.std.omaha)	This is the Device ID	Terminal	2025-05-06 09:18	2025-05-06 09:18	<span style="color: green;">✓</span> <span style="color: red;">✗</span>
<input type="checkbox"/>	mid	Text	987654321	BroadPOS Omaha (com.pax.us.pay.std.omaha)	This is the Merchant Number	Terminal	2025-05-06 09:18	2025-05-06 09:18	<span style="color: green;">✓</span> <span style="color: red;">✗</span>
<input type="checkbox"/>	MerchantTest	Text	54321	-	-	Merchant	2024-10-23 09:40	2024-10-23 09:40	<span style="color: green;">✓</span> <span style="color: red;">✗</span>

20 / Page 3 Records

If you need to edit a variable navigate to that terminal, choose Parameter Variables then select the Pencil Icon at the far right.

185000849  
 Reseller: Brian Test 1 / Merchant: Sample Merchant / SN: 185000849 / TID: MIMMF33B // Model Name: AR20Pro  
 Basic Information App & Firmware Push Task Setting **Parameter Variables** AirViewer GoInsight  
 Synchronization Time: 2025-05-06 07:59

Parameter Variables

Variable Key	Type	Variable Value	App	Remarks	Variable Source	Created Time	Updated Time	Action
omaha.param.deviceId	Text	0849	BroadPOS Omaha (com.pax.us.paystd.omaha)	This is the Device ID	Terminal	2025-05-06 09:18	2025-05-06 09:18	
msd	Text	987654321	BroadPOS Omaha (com.pax.us.paystd.omaha)	This is the Merchant Number	Terminal	2025-05-06 09:18	2025-05-06 09:18	
MerchantTest	Text	54321	-	-	Merchant	2024-10-23 09:40	2024-10-23 09:40	

If you need to delete a variable navigate to that terminal, choose Parameter Variables then select the Trash can Icon at the far right.

185000849  
 Reseller: Brian Test 1 / Merchant: Sample Merchant / SN: 185000849 / TID: MIMMF33B // Model Name: AR20Pro  
 Basic Information App & Firmware Push Task Setting **Parameter Variables** AirViewer GoInsight  
 Synchronization Time: 2025-05-06 07:59

Parameter Variables

Variable Key	Type	Variable Value	App	Remarks	Variable Source	Created Time	Updated Time	Action
omaha.param.deviceId	Text	0849	BroadPOS Omaha (com.pax.us.paystd.omaha)	This is the Device ID	Terminal	2025-05-06 09:18	2025-05-06 09:18	
msd	Text	987654321	BroadPOS Omaha (com.pax.us.paystd.omaha)	This is the Merchant Number	Terminal	2025-05-06 09:18	2025-05-06 09:18	
MerchantTest	Text	54321	-	-	Merchant	2024-10-23 09:40	2024-10-23 09:40	