

-  *Connected Payments*
-  *Release Notes*
-  *Release 2.16*
- 
- 



Connected Payments Release Notes

Date of Issue	Product ID Number	Part Number	Brief Description
February 2008	45001/112	89000428	Release 2.6
June 2008	45001/112	89000445	Release 2.7
July 2008	45001/112	89000460	Release 2.8
September 2008	45001/112	89000474	Release 2.9
October 2008	45001/112	89000477	Release 2.10
December 2008	45001/112	89000486	Release 2.11
January 2009	45001/112	89000487	Release 2.12
May 2009	45001/112	89000513	Release 2.13
July 2009	45001/112	89000519	Release 2.14
October 2009	45001/112	89000527	Release 2.15
February 2010	45001/112	89000557	Release 2.16
February 2010	45001/112	89000557a	Release 2.16 Update

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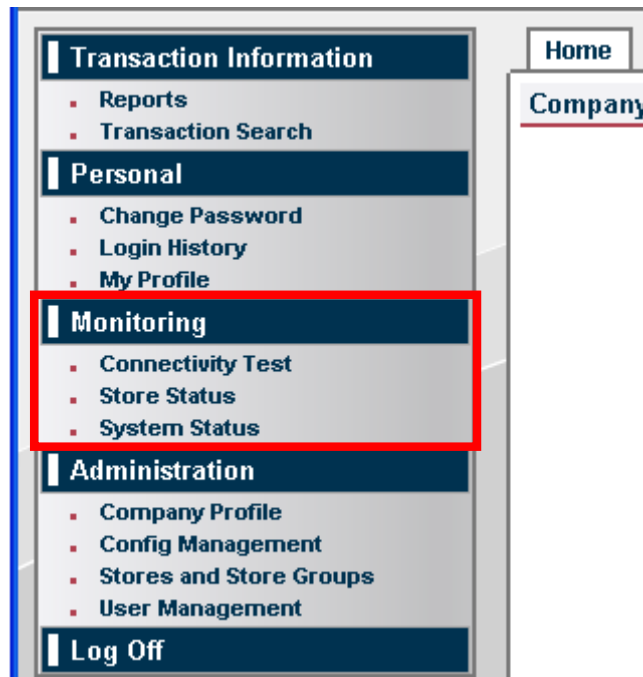
Section 1

Connected Payments Fixed Issues and Enhancements

Web GUI Changes

To continue enhancing our customer's experience, significant improvements have been made to the new Monitoring Service. We invite all of our users to experience the enhancements and benefits of this service during its free technology preview.

To check out the Monitoring Service, select any of the Monitoring Service features on the main menu tree:



Section 1 – Connected Payments Fixed Issues and Enhancements
Web GUI Changes

Enhancement	Description
1. Add Connectivity Test to web GUI (Monitoring)	<ul style="list-style-type: none"> • Enhancement • A new Connectivity Test monitoring tool has been added to the Web Services GUI. This tool allows the user to check the current connectivity status to the transaction Services and Processing hosts. • The connection test is performed from the initiating computer, so connectivity may be different depending on the location from which the test is processed. • This test is provided to allow a simple and direct method of testing connectivity from a POS system during installation. • Full details on this are included in Section 2.
2. Enhance Monitoring to show transactions when click on the company/store summary	<ul style="list-style-type: none"> • Enhancement • Significant improvements have been made to the Store Monitoring section of the web services. New filters have been added to allow customers to easily and quickly locate the stores and lanes that may be experiencing problems. • Category types (i.e. Healthy, Warning, TOR, Offline, etc) are now directly selectable in the top list, and selecting one automatically filters the store list to just the stores related to the selection. For example, selecting Offline will filter the store list to show only those locations that have pending offline transactions. • A floating Store Status Monitoring Control is now available that provides both an easy way to clear previous search criteria and the ability to enter a text string to search for, allowing the user to search by partial or full store name or store number. • Full details on this are included in Section 2.
3. Transaction search speed improvement	<ul style="list-style-type: none"> • Enhancement • The transaction search process has been enhanced for increased search speed. Transaction search timeouts have been greatly reduced.
4. Store Monitoring Icon Does Not Expand the Store	<ul style="list-style-type: none"> • Fixed • The status icon incorrectly indicated that clicking it would expand the store selection to display details. This has been corrected so that that clicking the “+” expansion indicator, or anywhere along that row expands the selection.
5. Retain Local Auth Code	<ul style="list-style-type: none"> • Enhancement • Previously when a transaction was locally approved for offline processing, the Local Authorization Code that it was assigned would be overwritten by the actual host authorization when the transaction was successfully forwarded. The transaction database has been updated to retain a record of the original Local Authorization Code along with the host authorization. • Both authorization codes are visible in the Reports and Transaction Search Details. • Full details on this are included in Section 2.

Section 1 – Connected Payments Fixed Issues and Enhancements
 Web GUI Changes

Enhancement	Description
6. Match receipts for Declined Advice transactions	<ul style="list-style-type: none"> • Fixed • In the event of a locally approved transaction that was subsequently voided before the offline was processed to the host, the receipt generated was not being matched properly to the transaction, and thus not being displayed when the transaction was reviewed. This has been corrected so that captured receipts are matched correctly in this instance.
7. Add up to 5 configurable state codes for WIC	<ul style="list-style-type: none"> • Enhancement • The Configuration Manager has been updated to provide spaces for up to 5 configurable state codes for use with WIC. • Previously there were checkboxes for only 3 states (New Mexico, Texas and Wyoming). Upgrades from previous versions will automatically transition selected states to the new configuration option. • Full details on this are included in Section 2.
8. Additional details available in Transaction Search	<ul style="list-style-type: none"> • Enhancement • The following fields have been added to the Details page of the transaction search: <ul style="list-style-type: none"> CompanyNumber ClientIP OriginalSTAN LocalAuthCode ID

Transaction Processing Changes

Enhancement	Description
1. Define default response code for unmapped response	<ul style="list-style-type: none">• Fixed• Previously, if a host response code was not listed in the translation table, the code was passed down to OpenEPS to handle; this sometimes resulted unpredictable results if the code happened to match a non-decline value in the OpenEPS table.• To allow consistent results, a default response code has been implemented in the transaction table, so that any undefined host response will receive the default decline and that decline will be passed down to OpenEPS.
2. BIN Service download includes Network ID	<ul style="list-style-type: none">• Enhancement• The BIN file service has been enhanced to provide the Debit Network ID for each BIN range.

Stand Beside Solutions

VeriFone Vx570

Enhancement	Description
1. -No Change to Vx570 -	<ul style="list-style-type: none">• ---

Host Changes

ACI

Enhancement	Description
1. Support second incoming message format	<ul style="list-style-type: none"> • Enhancement • The transaction service now supports two incoming header formats from the ACI. The two formats differ by either including or excluding length bytes.

ADS

Enhancement	Description
1. Void of Private Credit	<ul style="list-style-type: none"> • Enhancement • Void of a Private Credit transaction is now supported for the ADS host.

Chase Paymentech

Enhancement	Description
1. Return error if track2 data exceeds specified length	<ul style="list-style-type: none"> • Enhancement • The Track2 data is now limited to 37 characters as per the Chase host specification. If data is received in excess of that length, an error will be returned.
2. Send Offline transactions to Chase with Online indicator	<ul style="list-style-type: none"> • Enhancement • Transactions processed in Offline mode for the Chase host will be passed to the Chase host with Online indicators. • It has been determined that the Chase host will place any transaction without the online indicator directly into the day's batch without first processing for authorization. This methodology had the potential to cost more in processing fees or end up with declines; to avoid this, the Online indicator is now used.
3. Send original RRN for TOR's	<ul style="list-style-type: none"> • Fixed • There was an issue with TORs to the Chase host where bit 37 was not set based on the original value from the initial approval, but rather was being incremented individually. This has been corrected so that the RRN in bit 37 of a TOR matches the RRN from the original transaction.

Concord: EPC Format

Enhancement	Description
1. New First Data EPC Host Interface	<ul style="list-style-type: none"> • Enhancement • A new interface to the First Data Concord EPC host format is now available. • The Concord: EPC host is currently pending certification. • Currently ValuLink Gift Cards are not supported. Transaction processing for ValuLink cards is currently undergoing development. • Full details on this are included in Section 2.
2. Support Tax Collector Indicator	<ul style="list-style-type: none"> • Enhancement • The Tax Indicator field is now supported. If TAX amount provided by POS and greater than zero, the Tax Indicator will be Y. If TAX amount provided by POS is equal to zero, then the Tax Indicator will be N. If no tax amount is set by the POS, then the Tax Indicator field will not be sent to the host.

Concord: H&C Format

Enhancement	Description
1. Send ValuLink barcode gift cards as 'manual'	<ul style="list-style-type: none"> • Enhancement • When a ValuLink gift card is processed through a barcode scan instead of swipe, track data is not available. In the case of a scanned barcode, ValuLink transactions will be processed using the manual card data format.
2. Support Tax Collector	<ul style="list-style-type: none"> • Enhancement • The Tax Indicator field is now supported. If TAX amount provided by POS and greater than zero, the Tax Indicator will be Y. If TAX amount provided by POS is equal to zero, then the Tax Indicator will be N. If no tax amount is set by the POS, then the Tax Indicator field will not be sent to the host.
3. Process long RAW MICR in Fid 'o'	<ul style="list-style-type: none"> • Enhancement • If raw MICR data is longer than 32 characters, it will be placed into optional data fid "o".

Lynk

Enhancement	Description
1. Support Certegy Check Auth	<ul style="list-style-type: none"> Enhancement Support for Certegy check authorization has been added to the Lynk host. This enhancement is pending final certification.

MPS (Fifth Third)

Enhancement	Description
1. Support EBT Offline	<ul style="list-style-type: none"> Enhancement To allow offline EBT, all offline EBT will be processed to the host using the online message formatting. This will cause all EBT taken offline to be processed at the time it is forward as an online transaction.
2. Send Group 9 only for Credit	<ul style="list-style-type: none"> Fixed Previously Group 9 data was sent whenever a tender was marked to allow partial approval in the card processing profiles; this has been corrected so that Group 9 data is sent only for credit partial approval, and not for other tender types.
3. Giftcard Bit Map & non-POSA Data	<ul style="list-style-type: none"> Fixed Some Gift Card transactions were being sent with an incorrect bitmap. This has been updated to send bitmap 80 for all gift cards, and all gift card transactions have been updated to use that bitmap correctly.

Shazam

Enhancement	Description
1. Corrected Carry Over total	<ul style="list-style-type: none"> Fixed The Host Settlement report has been updated to correctly calculate the 'Next Day Carry Over' amount from the previous date.

Solupay/Echo

Enhancement	Description
1. -No Change to Host -	<ul style="list-style-type: none"><li data-bbox="565 373 630 394">• ---

Section 2

New Features

Monitoring Services

Connectivity Test

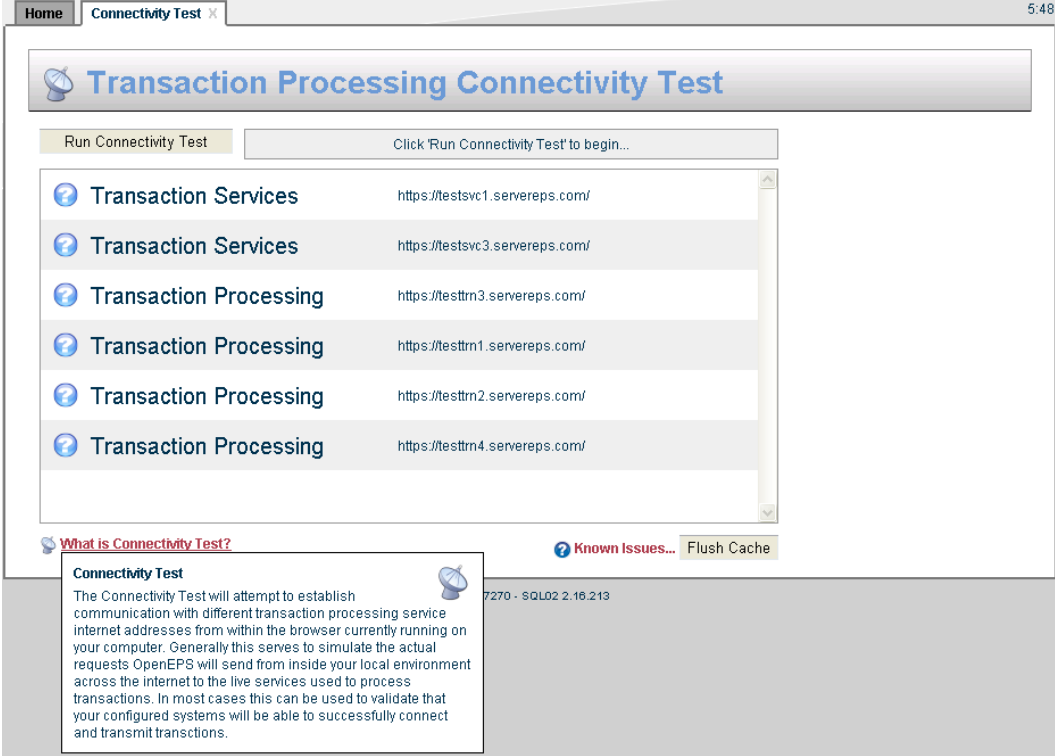
Path:	Monitoring, Connectivity Test
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A new Connectivity Test tool has been added to the Web Services GUI. This tool allows the user to check their connectivity from the local computer they run the test on to the live Services and Processing hosts.

The connection test is performed from the initiating computer, so connectivity may be different depending on the location from which the test is processed.

This test is provided to allow a simple and direct method of testing connectivity from a POS system during installation. To verify connectivity, use your internet browser to log into the Web GUI from the POS computer, and select Run Connectivity Test. If the test shows success, then the computer can reach the live processing hosts; one or more failures generally indicates that the computer cannot reach the host and that adjustments to your local network environment may be needed.

If you receive a failure and wish to confirm that the service is currently available, you may check its status using the [System Status](#) tool under Monitoring.



The Connectivity Test will attempt to establish communication with different transaction processing service internet addresses from within the browser currently running on your computer. Generally this serves to simulate the actual requests OpenEPS will send from inside your local environment across the internet to the live services used to process transactions. In most cases this can be used to validate that your configured systems will be able to successfully connect and transmit transactions.

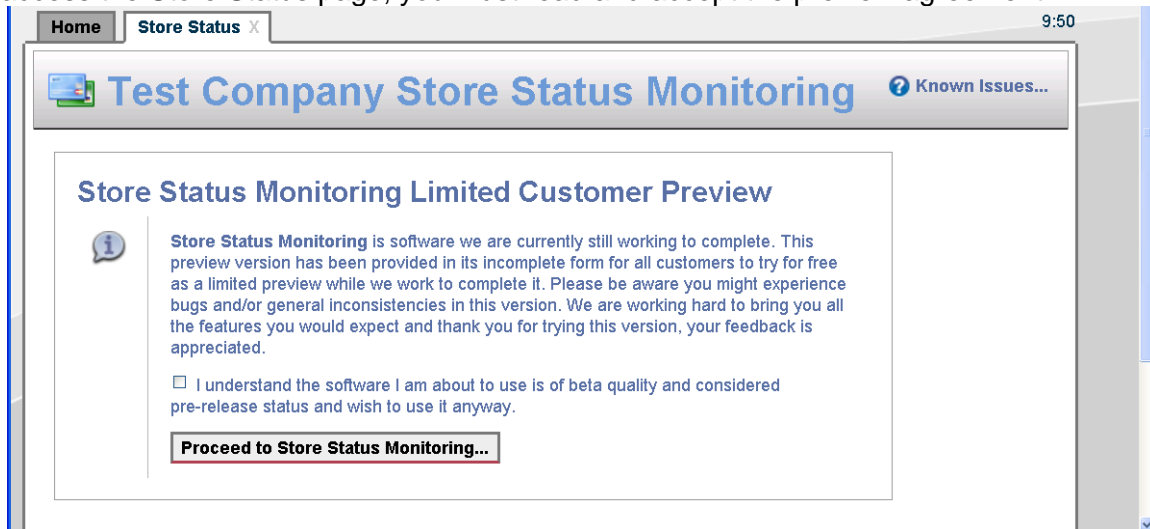
Store Status

Path: **Monitoring, Store Status**

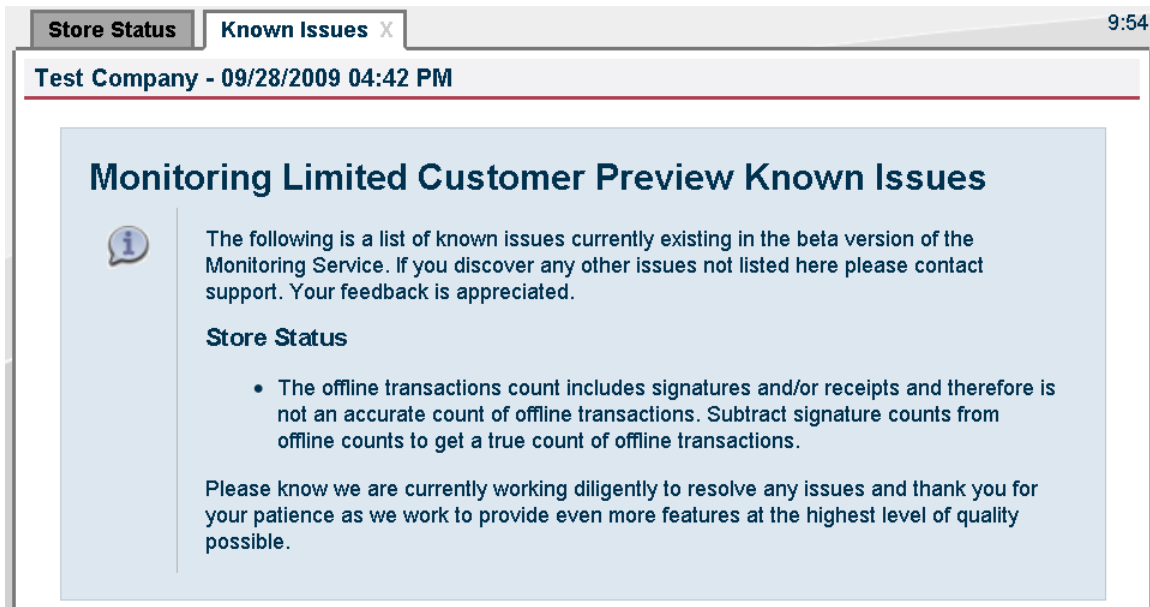
The Store Status Monitoring tool is currently being released as a customer technology preview. As such, features may be added or removed when it is finalized. Since it is in the early phases of development it has not undergone rigorous QA and the potential for bugs is higher than with a fully completed product. This will most likely be an additional subscription service when it is completed.

The Store Status Monitoring tool is designed to quickly and easily display an overview of company and individual store offline and TOR statuses as well as other information reported by the lanes.

To access the Store Status page, you must read and accept the preview agreement.



This preview does have some known issues. These issues will be listed on the Known Issues page which can be access by the Known Issues link at the top of the Store Status page. If you encounter issues other than those listed here, please report them to MTXEPS so that we can improve our product.



The Store Status Monitoring tool is designed to quickly and easily display an overview of company and individual store offline and TOR statuses.

It is important to note that this list is comprised of only the data that the lanes have sent to the datacenters. If a store location is currently offline and not communicating with any data center, then the offlines and TORs for that location will not be reflected in the displayed totals until the store reconnects.

Company Overview

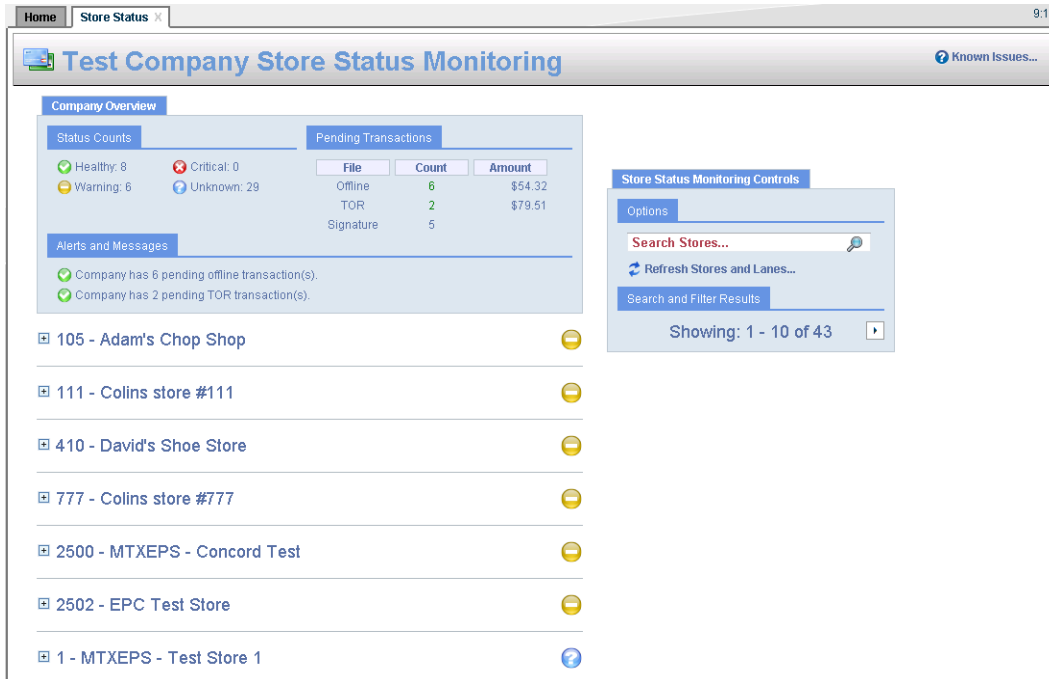
At the top left of the screen is the Company Overview box that contains the four Status Count indicators with a number next to them indicating how many stores fall into that category.





Just to the right are the Pending Transactions indicators which display the total count and amount of outstanding Offlines (Store and Forward), TORs (Time Out Reversals), and electronically captured signatures that have yet to be processed up to the data center. Alerts will be displayed if any of these values are critically high.

The Alerts and Messages section of the Company Overview displays individual items that might require specific attention.

Below the Company Overview is the list of stores, which can be expanded to show details.

If the store has not connected for a significant amount of time, that store status will change. After 8 hours the Warning indicator will be displayed; after 24 hours the indicator will be marked Critical.



Status Indicator	Description
Healthy 	Health status indicates stores or lanes with no or few pending transactions as well as lanes that have connected recently.
Warning 	Store or lane has met or exceeded Warning level criteria. <ul style="list-style-type: none"> At this time pre-defined criteria are in place; the final version may feature customer-defined warning levels.
Critical 	Store or lane has met or exceeded Critical level criteria. <ul style="list-style-type: none"> At this time pre-defined criteria are in place; the final version may feature customer-defined warning levels.
Unknown 	Store or lane status is not currently available. This level is displayed for stores or lanes that have never connected.

Status Counts

Within the Company Overview box, the Status Counts give a quick overview of your company's status as well as providing an easy way to filter your store list by status. The four statuses are Healthy, Warning, Critical and Unknown; you may quickly filter your store list by clicking on any of these four statuses.

Company Overview

Status Counts

- Healthy: 8
- Warning: 6
- Critical: 0
- Unknown: 29

Pending Transactions

File	Count	Amount
Offline	6	\$54.32
TOR	2	\$79.51
Signature	5	

Alerts and Messages

- Company has 6 pending offline transaction(s).
- Company has 2 pending TOR transaction(s).

For example, if you clicked on the Warning status, then the store list would be limited to displaying only those stores with the matching status of Warning:

Test Company Store Status Monitoring

Company Overview

Status Counts

- Healthy: 7
- Warning: 7
- Critical: 0
- Unknown: 29

Pending Transactions

File	Count	Amount
Offline	6	\$54.32
TOR	3	\$80.62
Signature	6	

Alerts and Messages

- Company has 6 pending offline transaction(s).
- Company has 3 pending TOR transaction(s).

Store Status Monitoring Controls

Store and Lane Filter

- All lanes in stores with Warning status. **Clear Filter**

Options

Search Stores...

Refresh Stores and Lanes...

Search and Filter Results

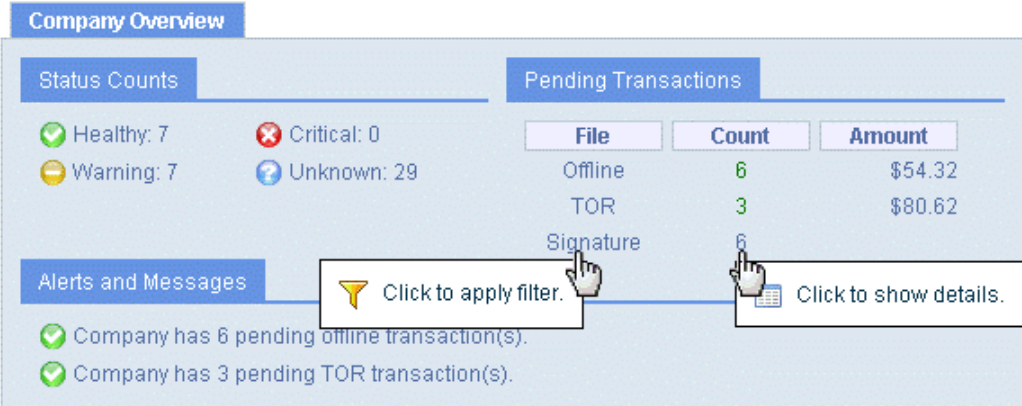
Showing: All Results

- 103 - store #103
- 105 - Adam's Chop Shop
- 111 - store #111
- 410 - Shoe Store
- 777 - store #777
- 2500 - MTXEPS
- 2502 - Test Store

To show the full list of stores again, you can click the Clear Filter button on the right, in the Store Status Monitoring Controls box.

Pending Transactions

Similar to the Status Counts, on the Pending Transactions summary the File types and Counts can be used as filters; however the File and Count provide two different types of functionality.



Clicking on the Offline, TOR or Signature File type will filter the store list to show only the stores that contain the selected item. This works the same as the Status Counts.

Clicking the actual count will pop up a **new box** showing the Details Overview for the selected type.



This view provides immediate accessibility to the stores and lanes that have the selected item. Any store displayed can be expanded to show the full details of the Pending Transaction.

Expanding the store shows the Pending transaction(s) in the Overview box, along with the status data for the affected lane(s).

Store List

The Store List section provides comprehensive access to the status of all stores within a company. Combined with the various filters in the Company Overview box, and the user-defined search/filter string of the Store Status Monitoring Controls, the Store List can be quickly sorted down to viewing just the locations of specific interest.

Even without filtering, the store list is sorted automatically so that the more critical stores are listed first. To search for a particular store location, use the Store Status Monitoring Controls search feature. You may search by store number or store name.

Company Overview

Status Counts

- Healthy: 8
- Warning: 6
- Critical: 0
- Unknown: 29

Pending Transactions

File	Count	Amount
Offline	6	\$54.32
TOR	2	\$79.51
Signature	5	

Alerts and Messages

- Company has 6 pending offline transaction(s).
- Company has 2 pending TOR transaction(s).

Store Status Monitoring Controls

Options

Search Stores...

Refresh Stores and Lanes...

Search and Filter Results

Showing: 1 - 10 of 43

- 105 - Adam's Chop Shop
- 111 - Colins store #111
- 410 - David's Shoe Store
- 777 - Colins store #777
- 2500 - MTXEPS - Concord Test
- 2502 - EPC Test Store
- 1 - MTXEPS - Test Store 1

Use the [+] indicator next to the Store name to expand the store information. You will be presented with a store overview and a list of lanes. Individual lanes can be expanded as well by selecting the [+] next to the lane number. This will display specific lane status data.

The date next to the lane is the last time the lane connected to the data center and may be useful for determining if a lane should be checked by appropriate company administrative personnel.

1 - MTXEPS - Test Store 1



Store Overview

Pending Transactions

File	Count	Amount
Offline	1266	\$132926.53
TOR	70	\$7408.50
Signature	0	

Alerts:

- Store has more than 25 offline transactions.
- Store has more than 25 TOR transactions.

Lane 1 Overview 9/24/2009 11:44 AM

Pending Offlines: 128 (\$13441.07)

Pending TORs: 7 (\$740.85)

Pending Signatures: 0

Drives: C: 63 GB of 128 GB available (49.26%)

DLLs:

MTX_POS.dll	825.2.0.34
MTX_EPS.dll	825.2.0.1001
MTX_SE.dll	825.2.0.53

Pin Pad:

Terminal Type	SCAT-HYP4150
Application Version	0411
Data Version	0060
OS Version	OS,20091007,XHs32Boot
Serial Number	100006987219

Config Files:

TermConfig	63
CardProcessingProfiles	1.0

OS Version: Windows Vista

Bio Status: Not Connected

IP Address: 10.250.32.88

Alerts:

- Lane hasn't reported status for over 4 day(s).
- Lane has more than 25 offline transactions.
- MTX_EPS.dll does not match assigned version: 824.0.0.993.
- MTX_SE.dll does not match assigned version: 824.0.0.56.
- Lane has 7 pending TOR transaction(s).

- +

Lane 2 - 9/24/2009 11:44 AM
- +

Lane 3 - 9/24/2009 11:44 AM
- +

Lane 4 - 9/24/2009 11:44 AM

Pin Pad serial numbers are located in the individual lane status boxes for all lanes that have a connected terminal and reported serial number. Pin Pad serial numbers can also be found in the PIN Pad Serial Number Report or in the Transaction Search, in each transaction's data.

Using the same methodology as the Pending Transactions counts, clicking directly on the count will show the details, popping up a new box to display just the selected lanes.

111 - store #111



Store Overview

Pending Transactions

File	Count	Amount
Offline	2	\$31
TOR		\$0
Signature	0	

Alerts and Messages

Store has 2 pending offline transaction(s).

+ Lane 4 - 2/10/2010 4:25 PM



+ Lane 1 - 2/10/2010 11:02 AM



+ Lane 2 - 2/11/2010 7:58 AM



For example, if the Offline count was selected, then a details box would be displayed that showed only the lanes that had pending Offline transactions. Those lanes could then be expanded to display their details:

Store Status Monitoring Details

Details Overview

Showing all lanes in store 105 - store with pending Offline transactions.

Count: 2
Amount: \$31

Lane 4 Overview 2/10/2010 4:25 PM

Pending Offlines: 2 (\$31) **Pending Signatures:** 0
Pending TORs: 0

Drives: C: 234 GB of 283 GB available (82.87%)

DLLs: MTX_POS.DLL 826.0.0.1
MTX_EPS.DLL 826.1.0.99
MTX_SE.DLL 826.1.0.0

Pin Pad: Terminal Type SCAT-HYP4150
Application Version 0411
Data Version 0060
OS Version OS,20091007,XHs32Boot,20070627,Turbo
Serial Number 100006987219

Config Files: TermConfig 60
CardProcessingProfiles 1.0

OS Version: Windows 7

Showing: All Results Search Details...

Healthy stores and lanes will have zero or near zero values, indicating that there are few or no transactions stored and pending on POS lanes. Healthy lanes will have connected up to the data center recently and similarly have few or no stored transactions or signatures.

409 - QA Lab Store #409

Store Pending Transactions:

File	Count	Amount
Offline	0	\$0
TOR	0	\$0
Signature	0	

Lane 1 - 9/28/2009 3:57 PM ✔
 Lane 2 - 9/28/2009 3:57 PM ✔

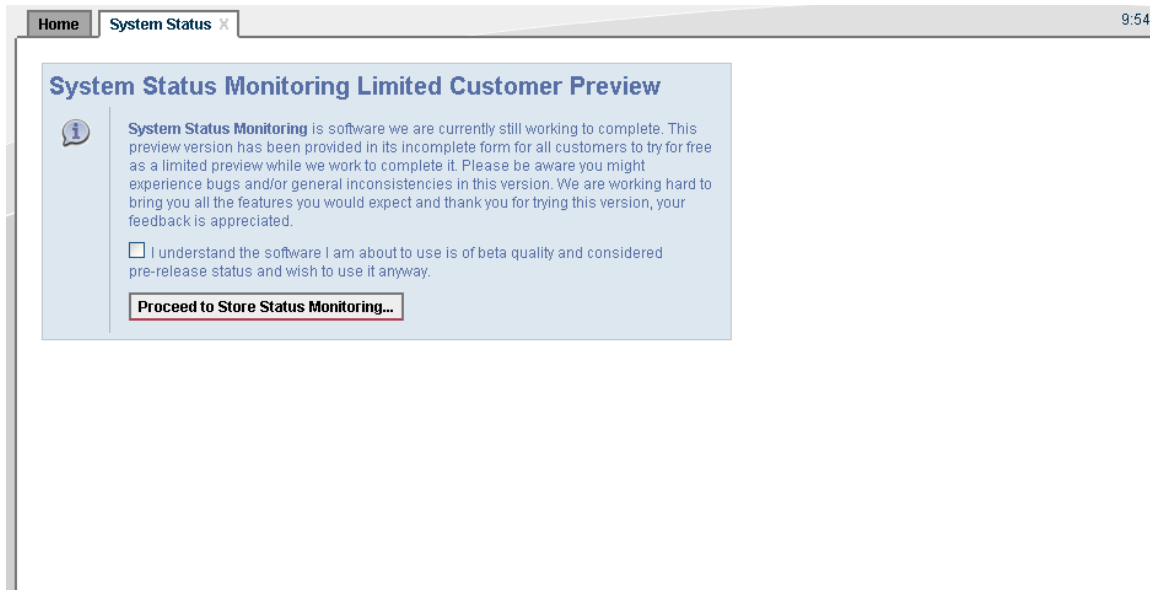
System Status

Path: [Monitoring](#), [System Status](#)

The System Status Monitoring tool is currently being released as a customer technology preview. As such, features may be added or removed when it is finalized. Since it is in the early phases of development it has not undergone rigorous QA and the potential for bugs is higher than with a fully completed product.

The System Status Monitoring tool is designed to quickly and easily display an overview of data center and service availability.

To access the System Status page during the beta period, you must read and accept the preview agreement.




This preview does have some known issues. These issues will be listed on the Known Issues page which can be access by the Known Issues link at the top of the Store Status page. If you encounter issues other than those listed here, please report them to MTXEPS so that we can improve our product.

Store Status | **Known Issues X** | 9:54

Test Company - 09/28/2009 04:42 PM

Monitoring Limited Customer Preview Known Issues

 The following is a list of known issues currently existing in the beta version of the Monitoring Service. If you discover any other issues not listed here please contact support. Your feedback is appreciated.

Store Status

- The offline transactions count includes signatures and/or receipts and therefore is not an accurate count of offline transactions. Subtract signature counts from offline counts to get a true count of offline transactions.

Please know we are currently working diligently to resolve any issues and thank you for your patience as we work to provide even more features at the highest level of quality possible.

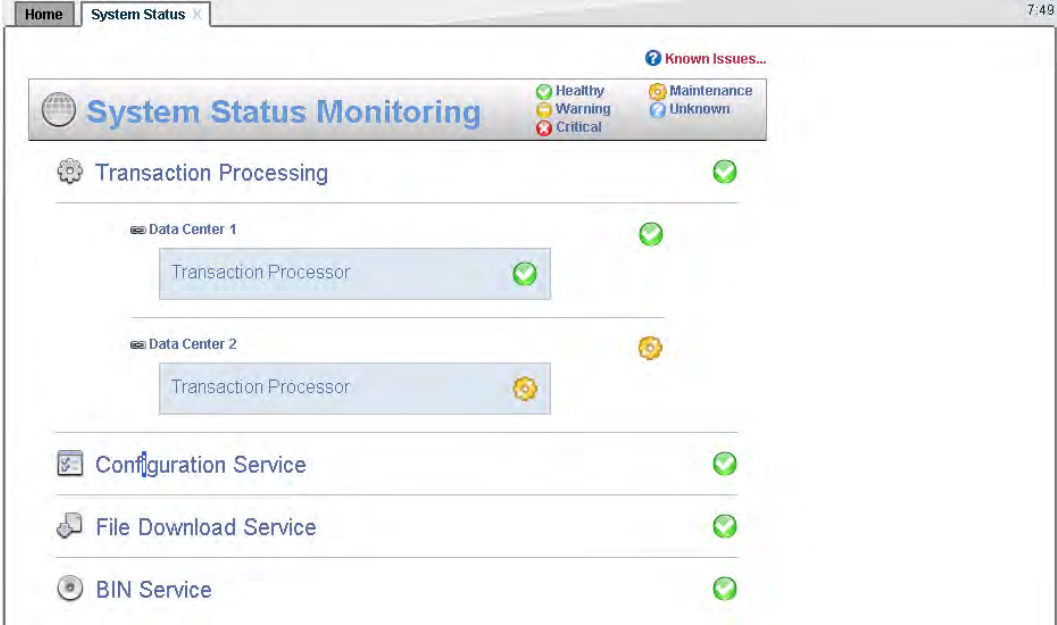
The System Status Monitoring tool is designed to quickly and easily display an overview of data center and service availability.






The Transaction Processing section displays the data centers and the current status of the transaction processors.

The Configuration Service status indicates the availability of the web services interface.

The File Download Service is responsible for downloading all configuration and program files to OpenEPS when a lane connects up. If this service is down, updated settings and files will not be downloaded to the lane; however, if the lane has already received a complete download it will generally be able to continue processing transactions.

The BIN Service supplies updated BIN files to the POS lane. BIN updates occur periodically on an approximately weekly basis.

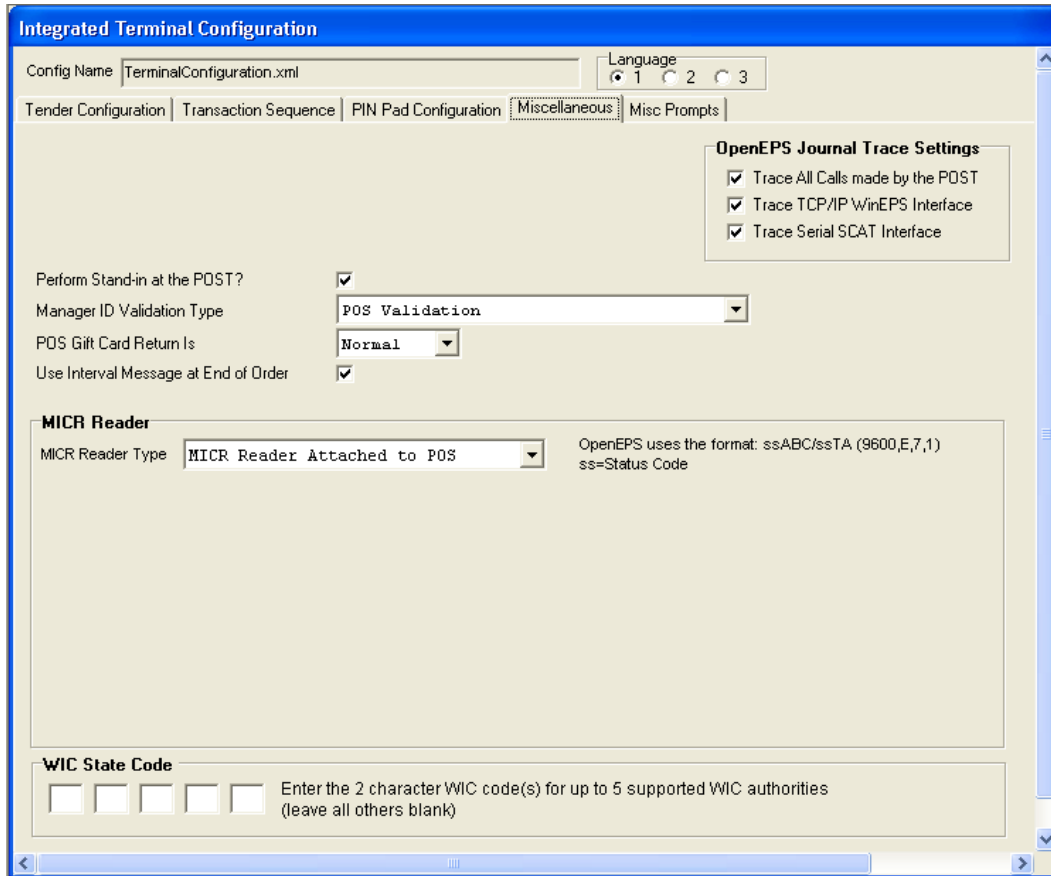


Status Indicator	Description
Healthy 	Service is up and processing normally.
Warning 	Service is experiencing difficulty and may not be available.
Critical 	Service is currently not available.
Maintenance 	System is undergoing maintenance.
Unknown 	Service status is not available at this time.

WIC State Codes

The WinEPS GUI has been updated to provide spaces for up to 5 configurable state codes for use with WIC.

Previously there were checkboxes for only 3 states (New Mexico, Texas and Wyoming). Upgrades from previous versions will automatically transition selected states to the new configuration option.



WIC State Code Frame

Tab Item	Description
WIC State Code Entry Boxes	These five boxes are used to configure the supported WIC State Codes. Enter the 2 character WIC code(s) for up to 5 supported WIC authorities (leave all others blank).

Retain Local Authorization Code

Previously when a transaction was locally approved for offline processing, the Local Authorization Code that it was assigned would be overwritten by the actual host authorization when the transaction was successfully forwarded. The transaction database has been updated to retain a record of the original Local Authorization Code along with the host authorization.

Both authorization codes are visible in the Reports and Transaction Search Details.

Transaction Details	
Company #	999
Company Name	Test Company
Store #	410
Store Name	David's Store
Time	1/20/2010 12:50:28 PM
UTC	1/20/2010 8:52:46 PM
Transaction	VS Purchase
Card Type	Visa
Approved	<input checked="" type="checkbox"/>
Host Response	APPROVAL
Host Type	Test-Elavon
Seq #	40111
Original Seq #	40111
Override	<input type="checkbox"/>
Offline	<input checked="" type="checkbox"/>
Account #	466206...0005
Amount	\$21.00
Approved	\$21.00
Auth Code	CVI647
Local Auth Code	LA04AU
Cash Back	\$0.00
Approved Cash Back	\$0.00
PO Number	
Cashier	1
Lane	04
Department	
User	
Settled	N
Pin Pad Serial #	763-000-116
Data Center	1
Transaction ID	55002334
Velocity Info	<div style="border: 1px solid gray; height: 20px; width: 100%;"></div>
Client IP	10.250.32.172

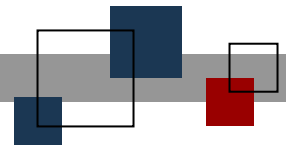
Concord: EPC Format Supported Transaction Types

	Purchase / GC Redeem	Purch w/ CB	Cash Back Only	Return	Force [Voice/Voucher]	Return Voucher	Balance Inquiry	Activation	Deactivation	Recharge	PreAuth / Completion
ACH	X	X	X	X	X	NA	NA	NA	NA	NA	X
Check (Electronic Check Conversion)	O (VO)	O (VO)	O (VO)	NA	X	NA	NA	NA	NA	NA	NA
Check (Standard)	O	O	O	NA	X	NA	NA	NA	NA	NA	NA
Connect Pay	X	NA	NA	X	NA	NA	NA	NA	NA	NA	NA
Credit Card	O (VO)	O/Disc (VO)	NA	O	O	NA	NA	NA	NA	NA	O
Credit FSA	O (VO)	NA	NA	O	NA	NA	NA	NA	NA	NA	X
Debit	O (VO)	O (VO)	O (VO)	O	NA	NA	NA	NA	NA	NA	O
EBT – Cash	O (VO)	O (VO)	O (VO)	X	O	NA	O	NA	NA	NA	X
EBT – Food Stamp	O (VO)	NA	NA	O	O (VO)	?	O	NA	NA	NA	NA
Fleet	O (VO)	NA	NA	O (VO)	O (VO)	NA	NA	NA	NA	NA	O (VO)
Gift Card (General)	O (VO*)	NA	NA	O (VO)	O	NA	O	O (VO*)	O	O	O
Gift Card (Blackhawk)	X	NA	NA	X	X	NA	X	O (VO)	?	X	X
Phone Card	NA	NA	NA	NA	NA	NA	NA	X	X	X	NA
Private Credit	X	X	X	X	NA	NA	NA	NA	NA	NA	X
Private Debit	X	X	X	X	NA	NA	NA	NA	NA	NA	X
Wireless	NA	NA	NA	NA	NA	NA	NA	X	X	X	NA

* As a limitation of the Host, only the last Gift Card Redemption transaction can be voided.

The Concord: EPC host is currently pending certification. As such the above transaction grid will be updated with any changes once the certification is complete

Legend:	
O	– Online only
B	– Both On & Offline
B/Disc	– As B, with Discover Card only
(V)	– Transaction Can be Voided
(VO)	– Can be Voided Online Only
X	– Not Supported
NA	– Not Applicable to Transaction Type



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