



OFFICE OF THE SENIOR VICE PRESIDENT –
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Re: Release: 1941
Error Reports: 2336
Programs: PPWEBSEC, PS009 (new), PS009D (new)
Copy Members: PS009
WSDL files: PS009
Urgency: Urgent (see Timing of Installation below)

This release addresses the following Error Report:

Error Report 2336

As modified for “24x7 logon” by release 1921, the logon Web Service process is:

- In the 24x7 region, attempt to invoke the logon service in the campus region via a Web Service request
- If the Web Service request was processed in the campus region

Exit

ELSE

The campus region is not responding so: Verify the user id and password from the 24x7 region, Exit

So, if the campus region is honoring Web Service requests, the pass ticket are used in the campus region, otherwise it is used in the 24x7 region.

This design will not work for pass tickets since pass tickets are usable in only one "application" (i.e. one CICS region). In order to solve this problem, the logon process must be re-factored so that user id and password verification always taken place in the same CICS region.

Summary of Changes

New token creation process established by this release

Modify PPS Web Service PS010 to:

Complete password verification before it attempts to invoke a web service in the campus region and only do so if the password is ok. Eliminate code in PS010 that creates tokens.

Create a token in the campus region only when web service PS009 is invoked from a 24x7 region by PS010.

PS009 is a new web service that has a single function, the creation of a token in the region in which it is running. Code is included that checks to determine if the requester is a known 24x7 region. If not, service will be refused; this will guard against requests for a token made from unknown application servers.

PS009D is a new web service support program generated by software supplies by IBM to support the creation of CICS hosted web services.

Programs

PPWEBSEC

PPWEBSEC is the web security interface program for web services. It is invoked as part of the SOAP header processing. It validates and processes the user data and certificates. It was modified as follows:

ADD PS009 TO WEB SERVICES THAT DO NOT REQUIRE A TOKEN.

PS009 (new)

PS009 is a new web service that is required in all PPS campus CICS regions. PS009 is used by the login web service, PS010. PS010 invokes PS009 to create a token in a campus region.

PS009D (new)

PS009D is the RAD-generated Converter Driver program which is invoked by the web service.

Obsolete Programs

PS010¹

PS010D²

PR010

Copy Members

PS009 (new)

PS009 is the data structure for web service PS009.

Obsolete Copy Members

CPWSHOST³

PR010

¹ PS010 is no longer part of the PPS Base system. It will run only in 24x7 CICS regions.

² PS010D is no longer part of the PPS Base system. It will run only in 24x7 CICS regions.

³ CPWSHOST is no longer part of the PPS Base system. It is used by program PS010.

PR010I01

PR010O01

PS010⁴

WSDL Files

PS009 (new)

PS009 is the WSDL for web service PS009.

Obsolete WSDL Files

PR010

Installation Instructions

A separate Installation Instructions document is provided.

Test Plan - Error Report 2336

1. Assure that the PPS CICS region that hosts web Services for Web EDB Inquiry is running.
 - **action:** On the PPS Web Logon web page, key in a valid userid and password and click on the Logon button
 - **expected response:** Main Menu web page is returned with Employee Database (EDB) Inquiry, PAN and Web Merit links active
2. Assure that the PPS CICS region that hosts web Services for Web EDB Inquiry is **NOT** running.
 - **action:** On the PPS Web Logon web page, key in a valid userid and password and click on the Logon button
 - **expected response:** Main Menu web page is returned with Employee Database (EDB) Inquiry link inactive, PAN and Web Merit links active

Timing of Installation

The timing of this release is **urgent**. Campuses that need 24x7 logon should install this release as soon as possible.

As usual, campuses are encouraged to install this release in as timely a fashion as possible and in the normal numeric sequence.

If there are any questions, please send electronic mail to Peter.Parker@ucop.edu or call 510 987-0908.

Peter Parker

⁴ Copy member PS010 is no longer part of the PPS Base system. It is used by program PS010.