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Banner Web Services Release and Upgrade Guide

Release 8.1.3
January 2012



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Revision History

Publication Date	Summary
January 2012	New version that supports Banner Web Services 8.1.3 software.

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Certification on Oracle WebLogic Server 11g

Banner® Web Services 8.1.3 is certified on Oracle WebLogic Server 11g, Oracle's preferred application server. Installation on Oracle WebLogic Server 11g requires Oracle Database 11g.

 **Note**

Banner Web Services is also certified on Oracle Application Server (OAS) 10.1.3.4/5. ■

Enhancements

Banner Web Services 8.1.3 includes the following enhancements.

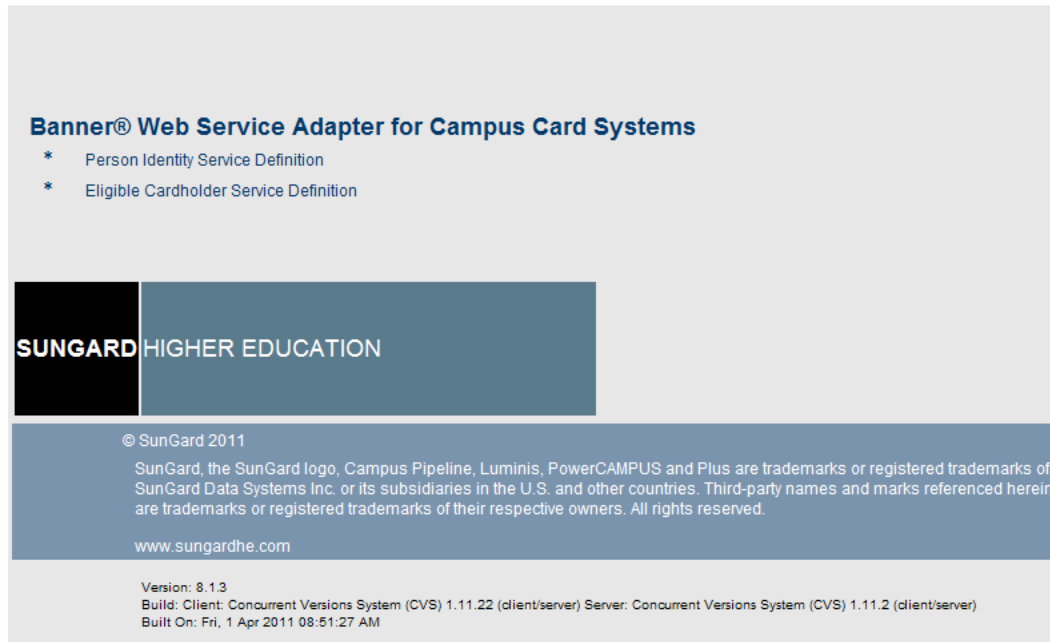
Use of Spring Web services framework

Banner Web Services 8.1.3 uses the Spring Web services framework, which supports non-OC4J Java containers. The Spring framework replaces the Oracle wsassembler toolkit. Oracle wsassembler.jar and associated Oracle class libraries are no longer delivered with Banner Web services.

This changes does not affect the way Banner Web services function.

New home page for adapters

Each Banner Web Services Adapter now has an HTML home page. Accessing an adapter's home page in a browser displays the name of the adapter, a list of supported operations with hyperlinks to the associated WSDL (Web Services Definition Language) files, and version information. As an example, the following graphic shows the home page for the Banner Web Services Adapter for Campus Card Systems.



Enhanced log file

Version information is now available in the application log file at startup.

Inclusion of WSDLs in adapters

WSDL files define the Web services that are exposed by the Banner Web Services Adapters. In previous releases of Banner Web Services, the WSDL files were delivered in the Banner Service Repository (BSR). WSDL files are now built into the Banner Web Services Adapters themselves. The BSR is no longer delivered with Banner Web Services.

The following URLs expose the WSDLs. The protocol, host, port (if used), and URL string reflect the location of the associated Banner Web Services Adapter.

WSDLs for Campus Card Web services

```
http://<host>:<port>/campuscard/eligibleCardholderService.wsdl  
http://<host>:<port>/campuscard/personIdentityService.wsdl
```

WSDLs for Housing Web services

```
http://<host>:<port>/housing/academicPeriodService.wsdl  
http://<host>:<port>/housing/entityAddressService.wsdl  
http://<host>:<port>/housing/housingApplicantService.wsdl  
http://<host>:<port>/housing/personIdentityService.wsdl  
http://<host>:<port>/housing/studentAccountService.wsdl  
http://<host>:<port>/housing/studentDepositService.wsdl
```

Support for multiple adapters on OAS

10.1.3.4/5

If you want to install multiple versions of a Banner Web Services Adapter in the same OC4J instance, you must do the following:

- Assign a unique application name for each deployment of the adapter.
- Create a unique URL mapping for each deployment of the adapter.

Known issue

In certain browsers, specifically Internet Explorer 8 and Firefox 3.6.x, the Translation Service cannot be opened in the same session as either of the Banner Web Services Adapters due to a conflict with the JSESSIONID cookie. To work around this limitation, ensure that the browser session to the Translation Service is closed and that the browser cache is cleared before opening the home page for the Banner Web Services Adapter, or, when starting with a Banner Web Services Adapter, ensure that the browser session to the adapter is closed and that the browser cache is cleared before opening the home page for the Translation Service. Firefox 8.0 does not have this limitation.

Problem resolutions

Banner® Web Services 8.1.3 includes the following problem resolution. For comprehensive and detailed information for all problem resolutions delivered in this release, refer to the `websrv80103resolutions.txt` file delivered with this release guide. Information in this text file is extracted from the Customer Support Center immediately before release of the product. This text file may include additional defects that were resolved after this release guide was finalized.

Object Name	Defect Number	Summary
Banner Web Services	1-G4SKF2	Accessing the Translation Service URL results in a 403 error. The <code>orion-web.xml</code> was modified to include the <code>transsvcAdmin</code> security-role-mapping to the <code>transsvcAdmin</code> group.

Upgrade instructions

You can deploy Banner Web Services 8.1.3 on Oracle WebLogic 11g or Oracle Application Server 10.1.3.4/5.

Deployment on Oracle WebLogic 11g

Use the following steps to deploy on Oracle WebLogic 11g:

1. Upgrade to Oracle Database 11g. Refer to Oracle documentation for instructions.
2. Deploy the Banner Translation Service to Oracle WebLogic 11g. Refer to “Installation on Oracle WebLogic Server 11g” in chapter 2 of the *Banner Translation Service Installation and Administration Guide* (version 8.1.3) for instructions.
3. Deploy the Banner Web Services Adapters to Oracle WebLogic 11g. Refer to “Installation on Oracle WebLogic Server 11g” in chapter 2 of the *Banner Web Services Installation Guide* (version 8.1.3) for instructions.

Deployment on Oracle Application Server 10.1.3.4/5

Use the following steps to deploy on Oracle Application Server 10.1.3.4/5:

1. Use the Enterprise Manager to undeploy the current Banner Web Services Adapter(s).
2. Deploy the new Web Services Adapter(s) to your application server.
 - `CampusCardIntegration_v8.1.3.ear`
 - `HousingIntegration_v8.1.3.ear`

Refer to “Installation on Oracle Application Server 10.1.3.4/5” in chapter 2 of the *Banner Web Services Installation Guide* (version 8.1.3) for instructions.