

WINSHUTTLE™

Winshuttle Transaction Function Module



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Background

Most recently, several customers have found that after applying SAP BASIS 7.00 Support Package 24 that certain transaction recording modes, particularly non-batch input recordings, are disabled.

The primary cause of the problem relates to Support Package 24, however related notes or packages in other SAP BASIS versions also result in this problem.

Why has this situation occurred?

With the application of this support package changes were made by SAP to the function module CAT_TCD_CAL.

These changes were part of a security initiative undertaken by SAP to fix a legacy security issue in the SAP BASIS component. One of the changes was the introduction of a new authorization check.

This authorization check forces failures in the remote calling of transactions over RFC unless a given user has an S_DEVELOP role assigned. The assignment of S_DEVELOP to regular business users is not an appropriate role assignment and in many instances this is not permitted for users in productive environments.

Although the name of the authorization object implies a relationship to development tasks, it is also used to grant execution rights for specific development objects and SAP uses this in combination with object 'ECSC' (eCATT script) and activity '16' (execute) for testing automation.

Another change that was introduced was the check on customizing flag T000-CCIMAILDIS (Flag: eCATT allowed in client?). Even if a user had authorization to run eCATT scripts - execution would fail if the flag was disabled.

What is the significance of eCATT in this context?

The ability to run eCATT scripts is usually disabled on production systems and rightly so as testing of your solutions should not be done with automation tools in productive environments.

eCATT type functionality is used when Winshuttle calls SAP transactions remotely over RFC. The parallels are very limited however and are restricted to Winshuttle Transaction SAP transaction recordings. Winshuttle scripts, unlike eCATT scripts, never actually reside on the SAP system at all.

Winshuttle Query and Winshuttle Transaction scripts based on BAPIs and RFMs do not use eCATT type functionality and access technical objects in SAP directly.

How is Winshuttle addressing this situation?

In order to facilitate over 1,500 Winshuttle customer installations being able to continue running existing Winshuttle scripts against their production SAP systems a Winshuttle Z name-space Function Module effectively replicates the capabilities of the legacy SAP function module components that were changed by SAP.

This approach does not detract from the customer's system integrity or security model and nor does it represent any added vulnerability to a given SAP system beyond the state prior to the application of the SAP support package.

This Function Module was first released with version 10.3 of Winshuttle Transaction. Implementation of this in your environment will require that all users be on version 10.3 or above. Note that for companies using Winshuttle Central, this will also require an upgrade of your Central site to 10.3 or above as well.

SAP patch levels affected

Software Component	Release Support	Package
SAP_BASIS	620	SAPKB62070
SAP_BASIS	640	SAPKB64028
SAP_BASIS	700	SAPKB70024
SAP_BASIS	701	SAPKB70109
SAP_BASIS	702	SAPKB70207
SAP_BASIS	710	SAPKB71012
SAP_BASIS	711	SAPKB71107
SAP_BASIS	720	SAPKB72005
SAP_BASIS	730 and above	SAPKB73002 and above

Future of the Winshuttle Function Module

The Winshuttle Function Module is now certified by SAP. More information on the certification can be found here:

<https://support.winshuttle.com/hc/en-us/articles/200125959-Winshuttle-Product-Certifications>

Further reading:

<http://www.winshuttle.com/White-Papers/Winshuttle-SSO-whitepaper-EN.pdf>

<http://www.winshuttle.com/White-Papers/Winshuttle-AddressingSecurityPerformanceUsabilitywithQuery-whitepaper-EN.pdf>

<http://www.winshuttle.com/White-Papers/Winshuttle-EasyAlternativetoLSMW-whitepaper-EN.pdf>

<http://www.winshuttle.com/White-Papers/Winshuttle-MitigatingRiskWithMassDataChange-whitepaper-EN.pdf>

<http://www.winshuttle.com/White-Papers/Winshuttle-EasingSOXCompliance-whitepaper-EN.pdf>

<http://www.winshuttle.com/White-Papers/Winshuttle-ComplyingwithSAPSecurityUsingTransaction-whitepaper-EN.pdf>

http://help.sap.com/saphelp_nwpi711/helpdata/en/49/6d2fa0e0221ec6e10000000a42189b/content.htm

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