



U3 Platform 1.0 SDK

DAPI DLL Release Notes

Version 1.0.1
September 2005





U3 Platform 1.0 **SDK**, DAPI DLL Release Notes

DOCUMENT CONTROL INFORMATION

Document No.: 04-RD-0905-10

	Title	Name	Date
Issued by:	U3 Chief Architect	Daniel Goodman	September 2005
Edited by:			



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U3 Platform 1.0 SDK, DAPI DLL Release Notes

1 Introduction

This document includes the release notes for the September 2005 release of the U3 Platform Software Developer Kit Version 1.0 (U3 Platform 1.0 SDK).

Section 2 - Lists all included documentation, document versions, all DAPI files and versions.

Section 3 - Lists DAPI DLL release notes

Section 4 - Lists the Application Deployment Guide/Launchpad Release notes

2 List of Document Versions

The September 2005 release of the U3 Platform 1.0 SDK includes the following document and file version

2.1 Documents

Title	Number	Ver	Rev	File name
Developer Guide	04-UM-0605-10	1.0	1.0	DeveloperGuide_1.0r1.pdf
DAPI Reference Guide	04-UM-0605-00	1.0.1	1.0	DAPIReferenceGuide_1.0.1r1.pdf
Application Deployment Guide	04-UM-0405-00	1.0	4.0	ApplicationDeploymentGuide_1.0r4.pdf
Release Notes	04-RD-0905-10	1.0.1	n/a	ReleaseNotes_1.0.1.pdf

2.2 Device API (DAPI)

DAPI Release	File version	Size	Signed	Filename
1.0.1	1.0.1.0	985 KB (1,009,232 bytes)	Yes ("U3 LLC") Monday, September 19, 2005 1:45:26 PM	u3dapi10.dll



3 Device API DLL Release Notes

1.0.1

- Calling `dapiSetPrivateAreaPassword` after device reached `MAX_NOA` value, the new private area will remain un-formatted and the function will return a `S_OK [0x00000000]` result instead of a `DAPI_E_FORMAT_FAIL [0x80040213]` error result.
- After successfully calling `dapiLogoutPrivateArea` from a removable domain containing a full private area on Windows XP Service Pack 2, the file system is not refreshed and the file names are shown after logout. No action can be performed on the files and volume is fully secured.
- DAPI will not work on Windows 2003 Server in user mode if hyper-threading is enabled. If hyper-threading is disabled, DAPI will work properly in user mode. Hyper-threading is fully supported in admin mode.
- DAPI functions should not be called from within the DAPI callback function. The device handle should be passed to another thread or sent in a windows message, and used to call the DAPI function outside the callback.
- Calling `dapiReadTextCookie` or `dapiReadBinaryCookie` with a NULL buffer value and a count variable containing a zero value will return a `DAPI_E_BUFFER_TOO_SMALL` result instead of the expected `S_OK`. The value of the `nCount` parameter is correctly returned and should be used to determine the correct buffer size of pass to the function to perform the actual read as documented.
The sample in Section 6.3 of the DAPI Reference Guide will fail because of this error.



4 Application Deployment Guide / Launchpad

4.1 Application Deployment Guide

1.0 Revision 4.0

- `u3manifest\application\i18n\location` (see Section 7.2.6.1) no longer supports language values only, the full Location ID (LCID) must be provided
- Appendix B has been updated to properly reflect the set of Location IDs (LCIDs) supported by the final version of the U3 1.0 Environment. Only the following LCIDs are supported

Language	Location ID (LCID) decimal value
English	1033
French	1036
Italian	1040
German	1031
Spanish	3082
Japanese	1041

- The `U3_DEVICE_VENDOR_ID` (see Section 9.1.6) returns the vendor ID (VID) as a decimal number and not as a hexadecimal number.
- The `U3_DAPI_CONNECT_STRING` (see Section 9.4.4) is no longer defined as being up to 16 characters in length. The maximum length of the connection string is 257 Unicode characters.
- Section 8.4, The Upgrade Process has been inserted to provide addition description of the upgrade process use cases.

4.2 Known Issues

- When a device is physically ejected, the `U3_DEVICE_PATH` environment variable is not defined during `appStop` and `hostCleanUp`.



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