# Windows PerfectPath

## Promise Multipath Driver

*PerfectPath 4.1.0.16 Release Notes*

For use with:

E5000 SR1.0 Release (11.03.0000.00) or later

D5000 SR1.1 Release (13.02.0000.05) or later

EFA5310 FCS Release (11.03.0000.00) or later

R3000 FCS Release (13.03.0000.07) or later

**Note:  These Release Notes include important upgrade information if you are currently using Windows Server 2008**

PerfectPath is multipathing software designed for use with PROMISE VTrak E5000, EFA5310, D5000 and Vess R3000 RAID subsystem products. The following Windows OS's are supported:

| Vendor | Platform | Type |
|---|---|---|
| Microsoft | Windows Server 2008 R2 | x64 |
| | Windows Server 2008  R2 SP1 | x64 |
| | Windows Server 2012 R2 | x64 |

Note:  The following Operating Systems have their multipath driver imbedded:

| Vendor | Platform | Type | Multipath |
|---|---|---|---|
| Apple | OS X 10.7 | x64 | Included in OS |
| | OS X 10.8 | x64 | Included in OS |
| | OS X 10.9 | x64 | Included in OS |
| | OS X 10.10 | x64 | Included in OS |
| | OS X 10.11 | x64 | Included in OS |
| | Mac OS 10.12 | x64 | Included in OS |

**NOTE:  If you are using Windows Server 2008 or Windows Server 2008 SP1,** you may need to install a Windows Hotfix and/or Service Pack to support Secure Hash Algorithm SHA-256 that is used by PerfectPath 4.1.0.16

| Operating System | Instructions to support SHA-256 |
|---|---|
| Windows Server 2012 | No update needed |
| Windows Server 2008 R2 SP1 | install KB3033929 if your system doesn't support SHA-256 |
| Windows Server 2008 R2 | install Service Pack 1 first, then install KB3033929 HotFix |
| Windows Server 2008 SP2 | install KB2763674 if your system doesn't support SHA-256 |
| Windows Server 2008 | install Service Pack 2 first, then install KB2763674 HotFix |

**You can download the KB's from links below:**

**2008SP2 x86 and x64: (KB2763674)**
**https://support.microsoft.com/en-us/kb/2763674**

**2008R2SP1: (KB3033929)**
**https://support.microsoft.com/en-us/kb/3033929**

## Changes since the PerfectPath 4.1.0.12 Release

| Ref. # | Description |
|---|---|
| 251895 | Fix host blue screen bug caused by remote A-A replication synchronization. |
| 253271 | Fix host blue screen bug caused by path failover. |
| 245427 | Fix host blue screen bug caused by adding iSCSI sessions. |
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