

triCerat ScrewDrivers® vs. Citrix PS4 Printing

REQUIREMENTS	ScrewDrivers® V3	Citrix PS 4.0 UPD
Supported Server OS	Windows 2000 or Windows 2003 with Terminal Server enabled	Windows 2000 with PS4 and Windows 2003 with Terminal Server enabled
Supported Client Platforms	Windows 95, 98, ME, 2000, XP, 2003	Windows 2000 and later
Client Connection Protocol	RDP or ICA	ICA Only
Connection Client version supported	MS RDP Client and/or Citrix ICA 4 (or later) client	Citrix Client 9.0 or newer
Client installation required	YES	YES

INSTALLATION		
Ease of Server installation	Very easy install, unattended install thru MSI package	Needs Citrix Presentation Server 4.0. After installation, needs configuration.
Ease of Client installation	Very easy install, multiple ScrewDrivers client packages can be downloaded from the triCerat support page at: http://www.tricerat.com/clidown.php	Multiple ways to push out client.

FEATURES		
Maximum Resolution	No limit, resolution is printer specific	1200 dpi
Color and Grayscale	YES	YES
Compression of print stream	YES	YES
MetaFile Format	triMeta, triCerat's format for printing	EMF
Font Embedding	YES	YES, limited on certain client OS
Customizable naming scheme	YES, 4 pre-defined schemes and 1 custom name scheme, which the administrator controls	Only 2 different naming schemes available
Control Bandwidth on Server and/Or Client	YES, easily configured from control panel	Hard to configure with Citrix Policies
Printing bandwidth control for ICA and RDP	YES for Both	ICA Only
Default printer spoofing function	YES	NO
Change of default printer on client reflected on server without logout	YES	NO
Delete printers on disconnect / add on reconnect	YES	YES

Archive Printjobs	YES- it is possible to save all print jobs as PDF files for archiving	NO
Save as PDF	On Server or Client drives	NO
Save as BMP	On Server or Client drives	NO
Works in mixed farms of Citrix Presentation server	YES, and also without Citrix	NO only with Citrix PS4.0
Workflow integration	YES, Action function can be used	NO
Auditing capabilities	YES, Action function can be used	NO
Properties picked up from client	YES	YES
Active Directory Integration	Available in triCerat Simplify Suite® *	YES
Assign settings based on client IP address, client name, server name, group or user	Available in triCerat Simplify Suite® *	YES
Assign settings based on Organizational unit	Available in triCerat Simplify Suite® *	NO

ADMINISTRATION		
Administrators can access users' printers	YES	NO
Users can access other users' printers	NO	YES, may happen if legacy printer naming is used
Using normal print spooler functions	YES	No, has its own cpsvc.exe running which makes the print process more complicated
Configuration Ease	Very Easy	Advanced policys must be defined
Administration Ease	Very Easy- all configuration is done from control panel on server	Needs to use Citrix Management Console 4.0. To administrate printing using a mixed farm, the correct CMC needs to be used
Designed to be a fall back solution and only to be used when native driver is not available.	No, designed to replace printing in Terminal Server-based environments	PS4/UPD is not universal. Citrix still expects you to mix native drivers and use the UPD as a fallback.
Requires printer name mapping	NO	YES, as Citrix still recommends using native drivers when possible

Possible to combine with native drivers	YES	YES, and also recommended
Replication of Drivers Needed	NO, only one printer driver is used	YES, If you need native drivers
Support for 2 generations of printer drivers	YES	YES. Would be required to use the UPD, and if that fails then NO support
Need of maintaining a Driver Compatibility List	NO	YES, if you need native drivers
Printer Caching in server-side user profile	NO	Configurable, may cause problems in roaming profile environments
Printer settings can be changed within session for storage on client	NO, users will get printer settings from a local driver	YES, if using correct client

USER EXPERIENCE		
Appears as normal windows print dialog when printing	YES	No, the normal look is changed
Print Preview on Client	No, not needed	YES, optional
Extended Printer Properties Supported (Stapling, sorting etc)	YES, opens client's print dialog with native driver settings	YES, from the Print Preview function requiring the user to do extra clicks
Login overhead	No, creation of printers is very quick. One or multiple printers are created within seconds.	YES, PS4 has slow login times, high resource usage; building multiple printers can be very time consuming.
Fast Print	Printing with ScrewDrivers is Fast!	Dependent on what is printed. Certain print jobs will be very slow.

*** Simplify Suite® v4**

The most powerful and comprehensive package of integrated server management tools available for reducing the cost and complexity of administering and supporting your Terminal Server-based infrastructure. Simplify Suite v4 has been re-engineered from the ground up. It incorporates triCerat's Day Zero® Technology, a software framework that extends and enhances Windows 2000 and 2003 Server operating systems, boosting Terminal Server performance, reliability and security.

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