

Pearl Echo Version Comparison

Protocol Filtering, Monitoring and Control	Echo 4	Echo 5	Echo 6	Echo 7	Echo 8	Echo 9 ²	Echo 10	Echo 11	Echo 12	Echo 12 R2
Web	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HTTP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HTTPS Control					✓	✓	✓	✓	✓	✓
HTTPS URL Filter ³ (Echo Crypto.View™)									✓	✓
HTTPS URL Monitor ³ (Echo Crypto.View™)									✓	✓
HTTPS IP Filter						✓	✓	✓		
HTTPS IP Monitoring						✓	✓	✓		
HTTPS Block All						✓	✓	✓	✓	✓
HTTPS Allow All						✓	✓	✓	✓	✓
Ftp	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FTP Monitoring and Control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Browser Download Monitoring and Control							✓	✓	✓	✓
E-mail with Real Time Review	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
POP-3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SMTP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IMAP			✓	✓	✓	✓	✓	✓	✓	✓
Secure Email Monitor/SSL ³ (Echo Crypto.View™)									✓	✓
Secure Email Control/SSL ³ (Echo Crypto.View™)									✓	✓
Exchange Mail Monitoring - Server Side			✓	✓	✓					
Exchange Mail Control - Server Side					✓					
Exchange Mail Monitoring - Client Side			✓	✓		✓	✓	✓	✓	✓
Exchange Mail Control - Client Side						✓	✓	✓	✓	✓
Novell GroupWise Email					✓	✓	✓	✓	✓	
Web-Mail	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Blog Content			✓	✓	✓	✓	✓	✓	✓	✓
News (NNTP) with Real Time Review	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Chat with Real Time Review	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Internet Relay Chat	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Web-Chat	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Blog Content			✓	✓	✓	✓	✓	✓	✓	✓
Instant Messaging (IM) with Real Time Review	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AIM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MSN Messenger		✓	✓	✓	✓	✓	✓	✓	✓	✓
Microsoft Messenger Service				✓	✓	✓	✓	✓	✓	✓
Windows Live Messenger					✓	✓	✓	✓	✓	✓

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Novell GroupWise Messenger					✓	✓	✓	✓	✓	✓
Yahoo!		✓	✓	✓	✓	✓	✓	✓	✓	✓
ICQ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ICQ Lite			✓	✓	✓	✓	✓	✓	✓	✓
SIP				✓	✓	✓	✓	✓	✓	✓
Application Limits							✓	✓	✓	✓
Bandwidth Limits							✓	✓	✓	✓

Access Controls	Echo 4	Echo 5	Echo 6	Echo 7	Echo 8	Echo 9 ²	Echo 10	Echo 11	Echo 12	Echo 12 R2
Available Echo.Filters™				✓	✓	✓	✓	✓	✓	✓
Administrator Defined Allow/White Lists	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Administrator Defined Block/Black Lists	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Administrator Defined Keyword Controls	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Block Content Transmission	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Audit Content Transmission				✓	✓	✓	✓	✓	✓	✓
Exact Keyword and Phrase Match	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Partial Keyword and Phrase Match	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pattern Keyword and Phrase Match							✓	✓	✓	✓
Safe Search Enforcement ³									✓	✓
Pearl Software Starter Block List	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Real Time Document Decoding and Scanning				✓	✓	✓	✓	✓	✓	✓
PICs Rating System	✓	✓	✓	✓	✓	✓	✓	✓		
Access Profiles based on Users and Groups	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Access Profiles based on Computer Name						✓	✓	✓	✓	✓
Time Controls Configured for:	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Controlled and Monitored Access	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Blocked and Monitored Access	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Free and Unmonitored Access				✓	✓	✓	✓	✓	✓	✓
Application Blocking							✓	✓	✓	✓
Bandwidth Allocation Controls							✓	✓	✓	✓
Strict Block Option for Uncategorized Sites								✓	✓	✓

Reporting	Echo 4	Echo 5	Echo 6	Echo 7	Echo 8	Echo 9 ²	Echo 10	Echo 11	Echo 12	Echo 12 R2
Enterprise-Class Report Manager			✓	✓	✓	✓	✓	✓	✓	✓
Report Categories		✓	✓	✓	✓	✓	✓	✓	✓	✓

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General Statistics		✓	✓	✓	✓	✓	✓	✓	✓	✓
Top 10			✓	✓	✓	✓	✓	✓	✓	✓
Top N			✓	✓	✓	✓	✓	✓	✓	✓
Top Percent			✓	✓	✓	✓	✓	✓	✓	✓
Time On Line			✓	✓	✓	✓	✓	✓	✓	✓
Cost On Line				✓	✓	✓	✓	✓	✓	✓
User Statistics			✓	✓	✓	✓	✓	✓	✓	✓
Machine Statistics			✓	✓	✓	✓	✓	✓	✓	✓
Custom			✓	✓	✓	✓	✓	✓	✓	✓
Distributed Reporting Console				✓	✓	✓	✓	✓	✓	✓
Active Directory Report Groups				✓	✓	✓	✓	✓	✓	✓
Custom Report Groups			✓	✓	✓	✓	✓	✓	✓	✓
Interactive Report Generation			✓	✓	✓	✓	✓	✓	✓	✓
Report Scheduler			✓	✓	✓	✓	✓	✓	✓	✓
Automatic Report Distribution			✓	✓	✓	✓	✓	✓	✓	✓
File System Save			✓	✓	✓	✓	✓	✓	✓	✓
Built-in Emailer			✓	✓	✓	✓	✓	✓	✓	✓
SMTP Emailer							✓	✓	✓	✓
SSL Support for Report Distribution								✓	✓	✓
Distributed Report Viewer					✓	✓	✓	✓	✓	✓
Advanced Custom Data Filters					✓	✓	✓	✓	✓	✓
Custom Report Logo				✓	✓	✓	✓	✓	✓	✓
Custom E-mail Footer				✓	✓	✓	✓	✓	✓	✓
Advanced Report Filters										✓
Custom Classification Markings										✓

Configuration	Echo 4	Echo 5	Echo 6	Echo 7	Echo 8	Echo 9 ²	Echo 10	Echo 11	Echo 12	Echo 12 R2
Server-Centric User-Level Management		✓	✓	✓	✓	✓	✓	✓	✓	✓
Terminal Server		✓	✓	✓	✓	✓	✓	✓	✓	✓
Citrix Server		✓	✓	✓	✓	✓	✓	✓	✓	✓
Desktop Applications		✓	✓	✓	✓	✓	✓	✓	✓	✓
Published Applications		✓	✓	✓	✓	✓	✓	✓	✓	✓
Echo Crypto.View for RDS/Citrix										✓
Support for Fast User Switching				✓	✓	✓	✓	✓		✓
Mobility Monitor™ for Roaming Users	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Auto-detect Roaming Users				✓	✓	✓	✓	✓	✓	✓

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Firewall Pass-thru		✓	✓	✓	✓	✓	✓	✓	✓	✓
Secure Agent	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Agent Tamper Notification				✓	✓	✓	✓	✓	✓	✓
Secure Uninstaller	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multi-Level Tamper Detection					✓	✓	✓	✓	✓	✓
Self-Maintaining Updating Agent				✓	✓	✓	✓	✓	✓	✓
Self-Maintaining Upgrading Agent								✓	✓	✓
Built-in Database	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SQL Server Integration - Optional			✓	✓	✓	✓	✓	✓	✓	✓
Active Directory-Aware				✓	✓	✓	✓	✓	✓	✓
Novell User Detection				✓	✓	✓	✓	✓	✓	✓
Email/Chat/IM/NNTP Content Restoration	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
User Warning Message	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Web Browser Open and Redirect on Block					✓	✓	✓			
Web Page Redirect on Block									✓	✓
Product Modules				✓	✓	✓	✓	✓	✓	✓
Privileged Data Protection			✓	✓	✓	✓	✓	✓	✓	✓
Active Directory Integration				✓	✓	✓	✓	✓	✓	✓
Active Directory Integration - Large Scale							✓	✓	✓	✓
64 Bit Application Compatible						✓	✓	✓	✓	✓
Echo Data Encryption						✓	✓	✓	✓	✓
Machine Idle Detection						✓	✓	✓	✓	✓
"Phone Home" Web Activity Exclusion						✓	✓	✓	✓	✓
Configurable HTTPS Port Specification							✓	✓	✓	✓
Auto-Firewall Configuration								✓	✓	✓
Zero 3rd-party Conflicts (Win 7 and later)									✓	✓
Zero 3rd-party Conflicts (Win 8 and later)								✓	✓	✓

Administration Console	Echo 4	Echo 5	Echo 6	Echo 7	Echo 8	Echo 9 ²	Echo 10	Echo 11	Echo 12	Echo 12 R2
Monitored Data	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Protocol	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Site	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Content Subject / Title	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Date	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Violation Code	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
User Name	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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Computer Name		✓	✓	✓	✓	✓	✓	✓	✓	✓
Computer MAC Address		✓	✓	✓	✓	✓	✓	✓	✓	✓
Forensic Record Verification		✓	✓	✓	✓	✓	✓	✓	✓	✓
Forensic Content Verification		✓	✓	✓	✓	✓	✓	✓	✓	✓
Real Time E-mail Content Review	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Real Time E-mail Attachment Review					✓	✓	✓	✓	✓	✓
Real Time Chat Conversation Review	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Real Time IM Conversation Review	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Real Time NNTP News Posting Content Review	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Auto-Refresh				✓	✓	✓	✓	✓	✓	✓
Data Maintenance	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Automatic Data Archive	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Optional Data Purge				✓	✓	✓	✓	✓	✓	✓
SQL Data Archive (with optional SQL Module)							✓	✓	✓	✓
Server Console	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Administrator Level Logon	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
User/Restricted Level Logon	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Workstation Deployment Manager									✓	✓
Automatic Product Update Checks				✓	✓	✓	✓	✓	✓	✓
E-mail Attachment Decoder				✓	✓	✓	✓	✓	✓	✓
Premier Support Monitoring Reports					✓	✓	✓	✓	✓	✓
Data Maintenance Notifications					✓	✓	✓	✓	✓	✓
Real-time License Usage					✓	✓	✓	✓	✓	✓
Web Category Block Notification					✓	✓	✓	✓	✓	✓
Setup Automation Scripts						✓	✓	✓	✓	✓
Domain Lookup on HTTPS IP Entries						✓	✓	✓	✓	✓
URL Logging of HTTPS ³ (Echo Crypto.View™)									✓	✓
Integrated Health Monitoring Reports							✓	✓	✓	✓
Program Navigator							✓	✓	✓	✓
Echo Noise.Reduction™								✓	✓	✓
Echo Smart.Monitor™ (HTML-5 Data Reduction)									✓	✓
Dynamic Status Bar								✓	✓	✓
Admin Notes in Control Lists									✓	✓
Allow List Web Crawler										✓
Profile Investigator										✓
Web Category Context View								✓	✓	✓

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Windows OS Support	Echo 4	Echo 5	Echo 6	Echo 7	Echo 8	Echo 9 ²	Echo 10	Echo 11	Echo 12	Echo 12 R2
Server Software (32 or 64 Bit)										
Windows 2016 Server									✓	✓
Windows 2012 R2 Server								✓	✓	✓
Windows 2012 Server								✓	✓	✓
Windows 2008 R2 Server							✓	✓	✓	✓
Windows 2008 Server					✓	✓	✓	✓	✓	✓
Windows 2003 Server			✓	✓	✓	✓	✓	✓	✓	✓
Windows 2000 Server	✓	✓	✓	✓	✓	✓	✓	✓		
Windows NT4 Server	✓	✓	✓	✓	✓	✓	✓			
Windows 10									✓	✓
Windows 8								✓	✓	✓
Windows 7							✓	✓	✓	✓
Windows Vista					✓	✓	✓	✓	✓	✓
Windows XP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Windows 2000	✓	✓	✓	✓	✓	✓	✓	✓		
Windows NT4	✓	✓	✓	✓	✓	✓	✓			
Windows ME	✓	✓	✓							
Windows 98	✓	✓	✓							
Windows 95	✓	✓	✓							
Workstation Software ¹ (32 or 64 Bit ²)										
Windows 2016 Server									✓	✓
Windows 2012 R2 Server								✓	✓	✓
Windows 2012 Server								✓	✓	✓
Windows 2008 R2 Server							✓	✓	✓	✓
Windows 2008 Server					✓	✓	✓	✓	✓	
Windows 2003 Server			✓	✓	✓	✓	✓	✓	✓	
Windows 2000 Server	✓	✓	✓	✓	✓	✓	✓	✓		
Windows NT4 Server	✓	✓	✓	✓	✓	✓	✓			
Windows 10								✓	✓	✓
Windows 8								✓	✓	✓
Windows 7							✓	✓	✓	✓
Windows Vista					✓	✓	✓	✓	✓	
Windows XP	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Windows 2000	✓	✓	✓	✓	✓	✓	✓	✓		
Windows NT4	✓	✓	✓	✓	✓	✓	✓			

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Windows ME	✓	✓	✓	✓	✓	✓				
Windows 98	✓	✓	✓	✓	✓	✓				
Windows 95	✓	✓	✓	✓	✓	✓				

¹ Workstation Software may be installed on server platforms for user-level monitoring and control in a Remote Services/Terminal Services/Citrix environment. No special configuration is necessary.

² 64 bit support for workstation applications begins with Pearl Echo Version 9.0.

³ Windows 7 and Later.