



Web Filtering

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BCCS
Keeping You Connected

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McAfee Web Gateway –Filtering

Why McAfee Gateway?

- N2H2 filtering is EOL 8/14
- Additional Security Features
 - True SSL packet inspection
 - Virus scanning and Anti-Malware
- Regular Updates
- The primary function of the implementation is to provide safer IT environment with access to the internet.



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The Migration

- 11 Agencies migrated – 4 to do
- Migration Issues:
 - Non-Standard Browsers
 - Microsoft IE is the standard
 - BCCS pushes policies to IE, but not to Firefox
 - A trusted root certificate is installed in IE, but is not present in Firefox which causes problems when using encrypted websites
 - Firefox does not support NTLM authentication
 - Non Standard desktop configurations
 - Varying levels of OS
 - Most problems resolved if using Windows 7
 - Users still using IP instead of AD



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The Migration Issues (continued)

- Authentication Problems
 - Due to differences in SSL inspection between N2H2 and Web Gateway.
 - SSL is now filtered. Previously users were able to bypass filtering by using SSL encryption as long as site supported SSL.
- Group defaults have changed
 - In N2H2, users not in a group were mapped to a “Standard” group. In Web Gateway users not defined in a group default to “No Internet” group.
 - Every user must be in a group. Users in the No internet group have access to the “Global allow list” of common or mandatory sites (i.e. ethics training, illinois.gov)
 - As a result some users were placed into incorrect groups.
 - Once migration issues are resolved through helpdesk tickets, group changes require an ESR.



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Web Reporting

- Agencies Designate users for access to reporting by submitting ESR with AD accounts needing access.
- Canned and custom reports
- 90 days worth of data on sites visited, browsing time, etc.



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| Categories | No-Internet | STANDARD | STANDARD-PLUS |
|-----------------------------------|--------------|-----------|---------------|
| <u>Global Allow List</u> | OK | OK | OK |
| <u>Business / Services</u> | | | |
| Business | Block | OK | OK |
| Finance / Banking | Block | OK | OK |
| Job Search | Block | OK | OK |
| Stock Trading | Block | OK | OK |
| <u>Drugs</u> | | | |
| Alcohol | Block | OK | OK |
| Drugs | Block | OK | OK |
| Tobacco | Block | OK | OK |



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| Categories | No-Internet | STANDARD | STANDARD-PLUS |
|---------------------------------------|--------------|--------------|---------------|
| <u>Entertainment / Culture</u> | | | |
| Art / Culture / Heritage | Block | OK | OK |
| Entertainment | Block | OK | OK |
| Humor / Comics | Block | OK | OK |
| Internet Radio / TV | Block | Block | OK |
| Media Downloads | Block | OK | OK |
| Media Sharing | Block | OK | OK |
| Recreation / Hobbies | Block | OK | OK |
| Streaming Media | Block | OK | OK |



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| Categories | No-Internet | STANDARD | STANDARD-PLUS |
|------------------------------------|--------------|--------------|---------------|
| <u>Risk / Fraud / Crime</u> | | | |
| Anonymizers | Block | Block | Block |
| Anonymizing Utilities | Block | Block | Block |
| Browser Exploits | Block | Block | Block |
| Consumer Protection | Block | Block | Block |
| Discrimination | Block | Block | Block |
| Historical Revisionism | Block | Block | Block |
| Illegal UK | Block | Block | Block |
| Malicious Downloads | Block | Block | Block |
| Malicious Sites | Block | Block | Block |