

# AppSense DataNow

## Release Notes (Version 4.0)

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### Components in this Release

Component	Version
Admin Console	4.0.0.76
Appliance Configuration Services	4.0.2.3
Appliance Operating System	20160329
Appliance Plugins	4.0.2.4
Appliance Text Console	4.0.2.1
Fission Clustering Services	2.0.0.109
Patch Server	1.0.0.13
Server	4.0.0.83
Web	4.0.0.11
Windows	4.0.90.0

## Important Upgrade Information

### Upgrade path

DataNow 4.0 is deployed using a new DataNow Appliance. The upgrade path from DataNow 3.x is a configuration backup and restore to DataNow 4.0. For future releases we will be providing patches for taking deployments from 4.0 to 4.1, 4.2.

### Windows XP Support

DataNow 4.0 has limited support for Windows XP endpoints. Customers can now use DataNow with In-Location Sync to migrate all users profile data from XP endpoint to a new device. DataNow 4.0 Windows XP does not support additional features such as shared map points, mapped drives and interacting with ghost files.

## New Features

### New AppSense SMB Library

- DataNow 4.0 supports SMB2.00, SMB2.10, SMB3.00 and SMB3.02.
- The SMB library supports end-to-end encryption (AES-CCM 128) when using SMB3.00 and SMB3.02 shares.
- DataNow 4.0 no longer supports SMB1. For customers requiring SMB1 support they are advised to stay on DataNow 3.6. The latest version is 3.6 Update 2.
- Optimizations result in reduced I/O for file operations, streaming file/folder listings and session multiplexing.
- Dynamic responses to share permissions and buffer sizes along with space calculations.

### Centralized configuration, update and patching of DataNow appliances

- The Web Admin console now provides management of a cluster of DataNow appliances, along with a RAG status from a nominated Patch Server.
- Any appliance in the cluster can be rebooted or shutdown from the Patch Server.
- The Patch Server can now centrally perform all updates to the entire cluster.
- All version details and patch history for any appliance in the cluster can be obtained from the Patch Server's Web Admin console.

### Updated Appliance

- Reduced storage footprint for each DataNow appliance (from 110Gb down to 50Gb).
- Streamlined cluster transport through the new Fission v2 service.
- Improved DNS resolution using caching.
- Performance and Scalability improvements for Web Services.

### Windows client synchronization of PST files

- DataNow 4.0 provides total endpoint sync without disrupting the user in any way.
- PST files can now be synchronized from the endpoint based on time period.
- PST synchronization in 4.0 leverages the resumable uploads feature to optimize network traffic for these very large file types.

### Windows client endpoint sync status

- Status of the endpoint sync is now available locally on the endpoint alongside the server audit data.
- Statuses provided on the endpoint are *idle*, *syncing*, *paused*, *offline*.

### Windows client endpoint sync controls

- The Windows client can now be set administratively to be in a paused state, supporting enabling and configuring very large number of endpoint ahead of any sync activity.
- When in the admin pause state, the Windows endpoint still connect to the DataNow service and provide statistics daily via the audit API.

### Improvements to the Windows client mapped drives

- Mapped drives now appear as network devices in Explorer.
- Mapped drives now follow the online/offline experience based on network connectivity.

## Bugs Fixed

The following customer bugs have been fixed in this release:

Problem	Description
10608	Unable to uninstall DataNow when installed to a custom location
10787	If address of DN appliance is changed mid-session eg by connecting VPN, client does not recover from an offline state
10828	Files becoming locked with new DataNow client
10885	Potential OpenSSL "ChangeCipherSpec" man-in-the-middle vulnerability
11027	Web Client returns file server IP address in map point listings request which are exposed through the Web Client developer tools
11066	DNS failover list does not 'fail over'
11071	User over-quota or destination disk full results in local map point folder erroneously being marked as read-only
10775	Hungry Explorer when DataNow Server is not running
11081	Apache Partial HTTP Request Denial of Service Vulnerability
11082	DataNow electives are case sensitive
11086	DataNow treats a change of login syntax as a different user account
11155	Extremely large folder listings create out-of-memory errors and stability problems
11233	Simultaneous actions on the same file from different clients can result in inconsistent data
11349	DataNow going offline when switching between wireless networks
12014	DataNow server does not pass device_name field to audit log
12018	Temporary high CPU consumption on appliance until next reboot
12106	Kerberos SSO fails if Kerberos Token size is too large
12234	DataNow appliance becomes inaccessible after applying a certificate bundle which contains a chain certificate in p7b format
12442	OpenSSL Vulnerabilities
12455	A duplicate file downloaded when a large file is edited
12570	Resumable client uploads fail when enclosing folder contains the word 'version'
12605	Map Point friendly name does not support certain special characters
12956	DataNow cache removed
12967	Firefox issue - ssl_error_no_cypher_overlap
12972	OpenSSL Security Advisory 20160128
13017	Mapped Drives do not appear after booting up in offline state

Problem	Description
13063	DataNow ADMX suggests it is only supported on Windows Vista
13077	Timing related DataNow service crash following due to slow poor network connections on login

The following issues have been fixed in this release:

TFS ID	Description
119055	Outlook slow response when when opening an Outlook PST file from DataNow folder
119102	DataNow menu appears multiple times in File menu on XP
119117	MapPoints with no space remaining are reported as Read Only
119326	Renaming Ghost File - File Still Displayed with Old Name
119377	Appliance: feature to disable other nodes when a patch is applied to one node not reliable
119443	Status endpoint returns a 200 status code on failure
120008	Files become locked when moving within the DataNow Cache
137329	Turning off Windows delete auditing doesn't stop server side deletes being audited
141793	Due to cipher changes some browsers do not show connection to DataNow as fully secure
145571	Server poor performance for large delete operations
148716	Map point discovery threads may continue to run for a long time
151275	Server gives errors about logins being temporarily unavailable at login if my AD is configured not to read home directory on new installs
155088	Internal Server Error when query attributes for a folder ending with a ']' character
155849	CVE-2014-2532
155850	CVE-2015-5352
156899	Licensing settings aren't replicated to a clean node in cluster
161868	ILS valid configuration is treated as invalid, error message about local user profile being outside scope of allowed path on Windows XP
162537	When using Kerberos authentication on and XP endpoint, a remote wipe may not be processed on client yet server is denying requests for bad session
166701	Can get file not found error in Library view if you try open new file immediately after renaming it using return key on Windows 8.1
171316	Opening PDF Ghost files with Acrobat Reader fails on first attempt
171501	Response Times Elongate due to File Server load
171540	Clients requesting locks on files in a read-only map point (set by policy)
171698	File locks are not re-established after appliance restart, and open document updated
173616	Mapped drives show the same label as the system drive if any label has been set

TFS ID	Description
174461	Users can rename C: drive using the mapped drives feature
174484	Read only map point retain hidden attribute after mapped drive being removed
175461	Mapped drives don't indicate the map point is offline
176055	Lost file locks not always immediately reacquired on network reconnection
176257	If you login with users from child domain using NTLM on SMB3 server, all map points show as offline
176844	Unable to delete folder with ReadOnly Flag
177045	Moving ghost files into a sub-folder; files appear to remain in original location until manually refreshed
177517	Multiple SMB2 requests for the same object
178625	Performing a delta upload on a locked file results in the file remaining unlocked
179977	Delete requests for a files/folders on an EMC NAS result in a STATUS_INVALID_PARAMETER failure
180555	Delay Opening Cached files Offline with ServerLockingEnabled
180919	Directories with large file numbers don't show up on Windows XP
180931	Kerberos exposes plain text preauth credentials in web admin for admin sessions
181810	Office files stay locked after they're closed
181833	Access Denied double clicking MKV Ghost File on W8
182203	Unable to enter "&(1" characters in the file conflict dialog
182217	Double clicking Summary/Detail links in Control Center dialog cause it to transition back to where you started
182261	Audit log entry for resumable upload is incorrect
191371	"Client Data Log" isn't generated for each session token expiry, only manual logon.

## Known Issues and Limitations

The following issues are present in this release:

TFS ID	Description
188956	'Send to zipped folder' fails to download ghost files on Windows XP
188248	Folder Listings don't Update when Ghost Files are 'Cut and Pasted' to New Location on Windows XP
188281	Failure to download files on Windows XP
198055	Credential Guard breaks Kerberos Ticket Forwarding

## Supported Operating Systems and Technologies

The supported Operating Systems and Technologies are detailed in the compatibility matrix available on the AppSense Support Portal: [link](#).

## Required Utilities and Components

Component	Required Utilities and Components
<b>Appliance</b>	The Appliance must have a minimum of 4GB of RAM and 4 vCPUs and need to be scaled to demand appropriately.  The appliance has virtual hard disks which require up to 50GB of storage. The disks are thin provisioned.

## Further Help and Information

Information about installing, configuring and using AppSense Insight can be found in the AppSense Insight Help, available from the Insight Web console of by using this link:

[www.appsense.com/help/dn/v4.0/](http://www.appsense.com/help/dn/v4.0/)