



6 STEPS TO BETTER WEB DATA CONTROL



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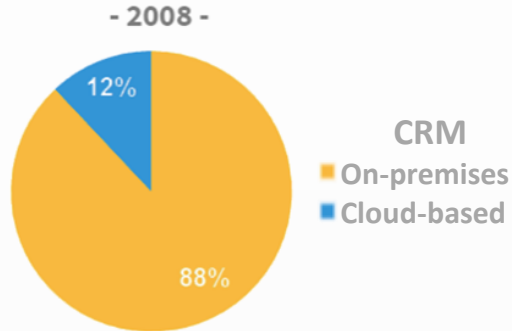
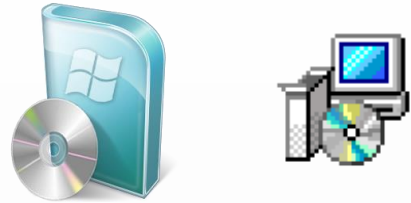
Avanite's Mission Statement

- Multi-Browser and WebApp Management for the Digital Era
- Cloud-delivered optimization, security and monitoring for Web Apps and Web Browsers
- Deliver an online, real-time service to monitor, understand, gain insight, optimize, secure and protect desktop users of web browsers and web applications

1. Rethink Browser Importance

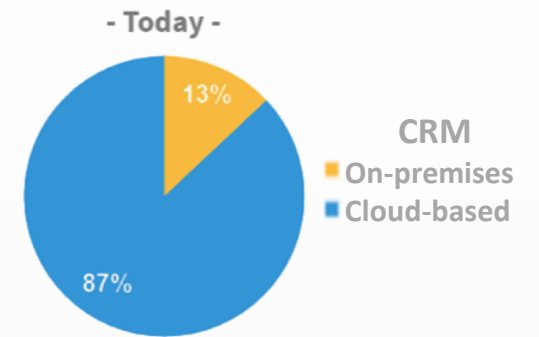


10 YEARS AGO



80% of apps in use were Win32, either COTS or in-house LOB

TODAY



SaaS apps dominate user activity, accessed through a web browser

Understand the role of the browser



- Recognising the browser as a key component of the modern desktop is more important than ever
 - Most organizations have a requirement for a Multi-Browser strategy (short/mid term)
 - Maximise ROI from WebApp investment
 - Gartner predict 400% YoY growth for WebApps (SaaS) so the trend will continue making the browser a key element for the future
 - Microsoft are developing a version of Edge based on Chromium (currently in Beta)
 - Win32 apps are being replaced by Web Apps where possible

2. Browser Behaviours

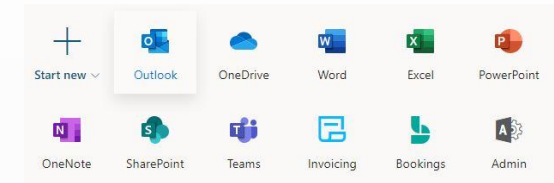
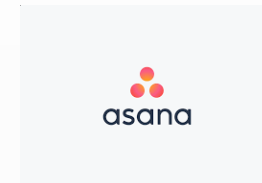


- Web browsers store a variety of data in the user profile by default
 - Cookies
 - Browsing History
 - DOM Data
 - Image and File caches
 - Download History
 - Local Storage Data
 - Web SQL data
 - Application caches
- This data is shared for all web sites/web applications that are accessed
- Its essentially a profile in a profile

Profile Management for WebApps



Or?



- We treat the browser as an application where it is really a portal to other applications
- Should we manage the browser data to ensure we only retain data we need for our web applications?

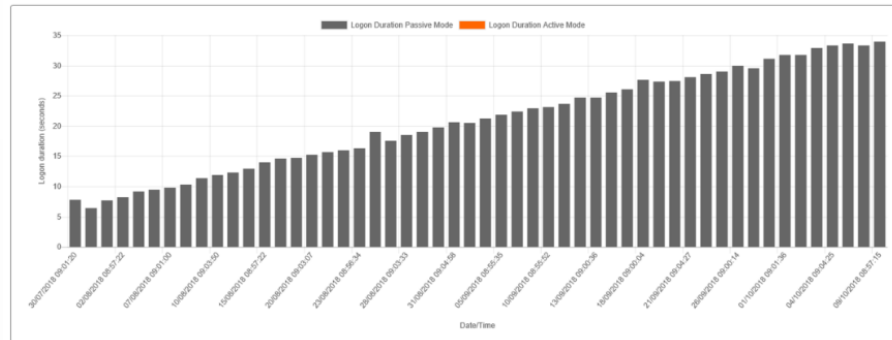
3. Optimization via Management



Before

Logon Duration

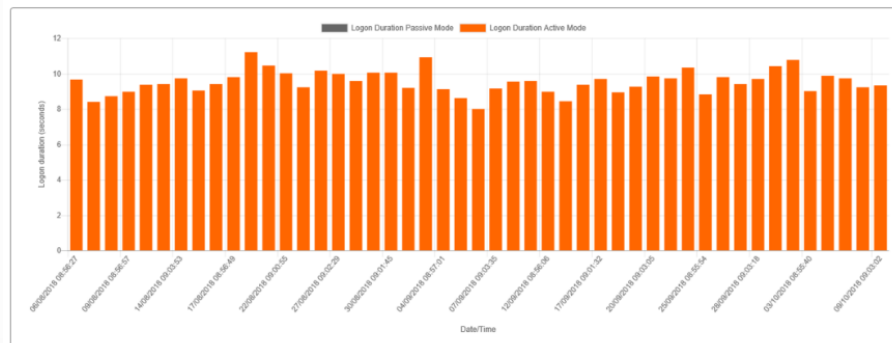
The user logon duration chart below shows the duration of each logon that a particular user has completed. WebData Control reduces the logon duration by removing all data not necessary to your business, optimising and retaining only the data that is required.



After

Logon Duration

The user logon duration chart below shows the duration of each logon that a particular user has completed. WebData Control reduces the logon duration by removing all data not necessary to your business, optimising and retaining only the data that is required.



Windows Settings Group - IE11 Cookies and History (W10, WS2016)
Group Windows Settings together and add them to personalization groups to personalize appropriate settings for specific users.

Name: IE11 Cookies and History (W10, WS2016)
Description: Settings for IE11 Cookies and History (Windows 10 and Windows Server 2016)

Managed Items: Add/Remove, Delete, Delete All, Edit Condition, Remove Condition

Setting: IE Passwords, IE Zones, IE10+ Settings

Condition: Operating system Equal To 'Windows 10' OR Operating system Equal To 'Windows Server 2016'

Properties - IE10+ Settings: Description, Registry, Files and Folders

Internet Explorer 10 and above (cookies, history & user data persistence)
Roaming: Does NOT roam across different versions of Windows. This setting needs to be isolated using a Windows version condition.
This may cause a performance impact for logon times.

Windows Settings Group - Google Chrome
Group Windows Settings together and add them to personalization groups to personalize appropriate settings for specific users.

Name: Google Chrome
Description: Settings for Google Chrome

Managed Items: Add/Remove, Delete, Delete All, Add Condition

Setting: Chrome Preferences

Properties - Chrome Preferences: Description, Registry, Files and Folders

Chrome Preferences.
This may cause a performance impact for logon times.

3. Optimization via Management



Before

Application settings size for AVANITE\Demo1
Total size: 26276.21 KB



After

Application settings size for AVANITE\Demo1
Total size: 2998.44 KB



Edit application file list - AVANITE\Demo1 - Windows Settings (IE11 Cookies and History (W10, WS2016))

Folder Display Vista, Windows ... View Type Tree File View Print

| Filename | Expanded Size (bytes) | Size (bytes) |
|-----------------|-----------------------|--------------|
| V01001AE.log | 524288 | 126468 |
| V01001AF.log | 524288 | 129703 |
| V01001B1.log | 524288 | 173706 |
| V01001B0.log | 524288 | 166969 |
| V01.chk | 8192 | 307 |
| WebCacheV01.jfm | 16384 | 939 |
| V01.log | 524288 | 143643 |
| WebCacheV01.dat | 109576192 | 21304357 |
| V01res00002.jrs | 524288 | 543 |
| V01res00001.jrs | 524288 | 543 |
| V01tmp.log | 524288 | 543 |

Edit application file list - AVANITE\Demo1 - Windows Settings (IE11 Cookies and History (W10, WS2016))

Folder Display Vista, Windows ... View Type Tree File View Print

| Filename | Expanded Size (bytes) | Size (bytes) |
|-----------------|-----------------------|--------------|
| WebCacheV01.jfm | 16384 | 181 |
| WebCacheV01.dat | 15728640 | 242570 |

Benefits with UWM/IWC



- Reduces SQL Server storage
- Reduces network traffic during logon and logoff
- Reduces host cpu and I/O during logon and logoff
- Improves logon times
- Provides granular control over web data (webcachev01.dat, log files and other databases, cookies, DOM store etc.)
- Helps with Archiving and Purge daily tasks on large databases
- Extends Application Control Browser Control features to support multi-browser redirection

4. Improve User Experience



Challenges in a Multi-Browser environment?



Make life simpler for users



- Favorites Synchronization
 - Keep all favorites aligned between IE, Chrome, Firefox and Edge
 - Create default favorites in each browser which do not sync
 - Enforce redirection of default favorites

- Browser Redirection

- Allows for redirecting certain URL's to certain browsers based on policies eg.:
- <https://intranet> always opens with Internet Explorer
- <https://www.salesforce.com> always opens with Google Chrome



5. Data, Security and Privacy

ivanti



- With WebData Control
 - Remove unwanted tracking, advertising and analytics cookies
 - Keep only secure cookies
 - Remove expired cookies
 - Retain DOM/cache information for useful business websites
 - Remove non-essential web data



6. Demo



Questions?



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