		L – Feature offered but is not as mature as its Competitors N/A – Not Available / Unknown / Not Applicable	H – Product excels at this feature M – Product offers this feature
		Healthcast	**Inprivata**
Selecting a SSO - AA - Solutions Considerations		H , M, L, N /A	H , M, L, N /A
Define objectives and requirements	Functionality	M - Product meet SSO - AA Requirements and Test Cases	H - Product meet and exceeded SSO - AA Requirements and Test Cases
	Usability	L - Some key product features (deleting users in the product) for SSO - AA Requirements and Test Cases was a crude processes	H - Product meet and exceeded SSO - AA Requirements and Test Cases. Intuitive Management console interface.
	Quality / Maturity	L - Some key product features (deleting users in the product) for SSO - AA Requirements and Test Cases was a crude process. Existing Clinical application acceptance is evolving. Cumbersome API for application development.	H - Product meet and exceeded SSO - AA Requirements related to ease of installation / configuration . Broad Clinical application acceptance and maturity. Mature API for application development.
	Security	H - Product meet SSO - AA Requirements related to ease of installation / configuration.	H - Product meet SSO - AA Requirements related to ease of installation / configuration.
	Performance	H - Product meet SSO - AA Requirements related to ease of installation / configuration.	H - Product meet SSO - AA Requirements related to ease of installation / configuration.
	Scalability	H - Product meet SSO - AA Requirements related to ease of installation / configuration.	H - Product meet SSO - AA Requirements related to ease of installation / configuration. More canned and customizable reports were available
Identify Solution Candidates	Architecture	L - Required significant time to install, configure, test and verification of product.	H - Product meet and exceeded SSO - AA Requirements related to ease of installation / configuration . Very rapid installation, setup and execution. Minimal discovery and troubleshooting
	Enterprise Compatable	L - Modest industry product deployments. Scallability unknown based on smaller product customer base.	H - Broad and Deep existing industry deployments. Well documented dependent vendor integration and scalability. Imprivata's Citrix Beta agents worked so this might be a risk going forward as a beta product.
Evaluation	Support	H - Product support meets SSO - AA Requirements.	H - Product support meets SSO - AA Requirements. Imprivata's Citrix Beta agents worked so this might be a risk going forward as a beta product.
	Commercial Aspects	L - Modest industry product deployments.	H - Broad and Deep existing industry deployments.
	Documentation	H - Product documentation meets SSO - AA Requirements.	H - Product documentation meets SSO - AA Requirements.
	Adoption	L - Modest industry product deployments. Scallability unknown based on smaller product customer base.	H - Broad and Deep existing industry deployments. Well documented dependent vendor integration and scalability.
Proof of Concept	Project Team and Company	H - Product support meets SSO - AA Requirements.	H - Product support meets SSO - AA Requirements.
	Community / Development Process	L - Some key product features (deleting users in the product) for SSO - AA Requirements and Test Cases was a crude process. Existing Clinical application acceptance is evolving. Cumbersome API for application development.	H - Product meet and exceeded SSO - AA Requirements related to ease of installation / configuration . Broad Clinical application acceptance and maturity. Mature API for application development.
	Professionalism	H - Vendor was generally very professional.	H - Vendor was generally very professional.
	Integration Effort	L - Some key product features (deleting users in the product) for SSO - AA Requirements and Test Cases was a crude process. Existing Clinical application acceptance is evolving.	H - Product meet and exceeded SSO - AA Requirements related to ease of installation / configuration . Mature API for application development.
	Integration Maturity	L - Based on ease of setup and functionality the product took time and effort to setp / configure and funtion.	H - Based on ease of setup and functionality the product meet and exceeded SSO - AA Requirements. Imprivata's Citrix Beta agents worked so this might be a risk going forward as a beta product.
	Sustainability	H - Product meets SSO - AA Requirements.	H - Product meets SSO - AA Requirements.
	Substitability	M- product met the SSO - AA Requirements but the installation / congiguration was mich more resouce intense. Management ccnsole was intuitive and relatively easy to navigate.	H - Based on ease of setup and functionality the product meet and exceeded SSO - AA Requirements. Management ccnsole was intuitive and easy to navigate.

Comments		
What features did you like or dislike the best?	Effort to setup and configure and non-intuitive gui makes in difficult to manage	Simple to install, manage and reporting
Which features did you like the least?	Wrappers took some effort to configure	Documentation and training are supperior to Healthcast. This would make it easier to support long term
What are your concerns or uknowns	Healthcast administratrative tools and documentation are not as clean, complete and detailed as Imprivata's soltuoin. This would make this more difficult to maintain in production.	If needed, Imprivata's appliance implementation of Oracle would require planning and design and cost to house product data off the appliance.
Other Comments	Small employee organization focused on the custoner. But lack of large Enterprise deployments would be an issues for Corp's long term strategy	Large number of Enteprise deployments. Large Industry vendor aligned with Imprivata to build application API's making enterprise deployments easier.

H – Product excels at this feature (out of the box)

M – Product offers this feature (out of the box but required customization)

L – Feature offered but is not as mature as its Competitors

N/A – Not Available / Unknown / Not Applicable

|	Name	Description	Healthcast	Imprivata	Comments	Comments
Test Cases						
SSO-AA-00	New User Enrollment	New User Enrollment (prompts for personalized responses for password resets, etc)	M	H	Healthcast did offer flexible user registration options	Imprivata offers extensive customizable personalized user registration options
SSO-AA-02	Advanced Authentication: Clinical dedicated workstation	Launch Clinical applications without authentication prompts after and SSO login	M	M	None	
SSO-AA-04	Advanced Authentication: Clinical non-dedicated workstation	Launch Clinical applications without authentication prompts after a SSO login	M	M	None	
SSO-AA-05	Advanced Authentication: Clinical dedicated laptop	Biometric authentication to laptop	M	H	Healthcast supports the Primary vendor badges that Corp uses	Imprivata supports more vendor badge solutions out of the box
SSO-AA-06	Advanced Authentication: Clinical dedicated laptop	Launch Clinical applications without authentication prompts after and SSO login	M	M	None	
SSO-AA-07	Advanced Authentication: Clinical non-dedicated mobile device (IPAD)	Advanced Authentication to IPAD	M	M	Both Vendors support Phonefactors and other 2nd Factor authentication solutions	
SSO-AA-09	Advanced Authentication: Clinical non-dedicated mobile device (IPAD)	Inactivity timeout session for SSO on an IPAD	M	M	None	
SSO-AA-10	Advanced Authentication: Inactivity timeout session for SSO Clinical Personal (dedicated or non-dedicated) workstation or laptop	Inactivity timeout session for SSO Clinical Personal (dedicated or non-dedicated) workstation or laptop	M	M	None	Citrix roam VMWare view
SSO-AA-15	Password Change	User has decided to change their password	M	M	None	Local per machine
SSO-AA-16	Password Reset	User's Active Directory (AD) password has been locked out and needs to be reset.	M	M	None	
SSO-AA-17	Auditing & Reporting	SSO – AA Administrator performs product run auditing and reports	M	H	Healthcast had limited canned reports, but has a SQL backend that SRS or Crystal can be used to generate report. A DBA and or a reporting resource would have to be used for extended reports	Imprivata had extensive canned reports. But only allows for the export of raw data for customized reports. The design is that an appliance would be dedicated to centralizing SSO log data and this appliance will allow you to export raw data into csv format where additional scrubbing / reporting could be extended based on the target audience needs. A report resource would have to be used for extended reports
SSO-AA-17	Auditing & Reporting	SSO – AA Administrator performs product run auditing and reports	M	M	None	
Security						
Flexible Security Customization	Security role based access controls	Out of the box ability to configure, customize global, group and granular security policy settings	M	H	Healthcast products integrates with Active directory and does allow for customized policies	Imprivata product features allowed for a rapid AD discovery and authentication integration. The policy console allowed for intuitive simple policy customization
Security at a corporate level	Enterprise Security Policies	Global, OU, Group, user and application specific security policies	M	H	Healthcast offered a flexible security policy setups	Based on the PoC experience and vendor documentation it was more intuitive to navigate through vendor product security policies
Security at a MBO level	Regional Security Policies	OU, Group, user and application specific security policies	M	H	Healthcast offers a flexible security policy setups. For site, location and even individual end users	Based on the PoC experience and vendor documentation it was more intuitive to navigate through vendor product security policies
Administrative - local control vs. vendor control	Local and departmental Security Policies	Group, user and application specific security policies	M	H	Healthcast offered a good offline authentication solution	Based on the PoC experience and vendor documentation it was more intuitive to navigate through vendor product security policies

Specific Functions

Delegated administration	Enterprise Delegation	Enterprise Security Policy administration	M	H	Healthcast offered a user delegated policy solution integrated with AD.	The Imprivata management console policy was more intuitive and simpler to configure / install
Ease of user registration	New user enrollment / self registration	Enrollment process consisting of personalized registration, badge and biometric discovery	M	H	Both offered flexible registration options	Imprivata offered a few more registration options and customized new enrollment options
Flexibility of client configuration (timeouts, suspend, logout)	Flexible SSO - AA operational timeouts	SSO, OS and Application timeouts	M	M	Both offered flexible timeout options	Imprivata GUI was more intuitive and the customization of these timeouts
Integration w/ biometrics	Fingerprint reader	Biometric fingerprint reader integration	M	H	Both offered flexible timeout options	Imprivata offers on paper a broader compatibility with biometric devices.
Integration w/ proximity	Proximity badge reader	Proximity badge reader integration	M	H		Imprivata offers on paper a broader compatibility with biometric devices
Password resets	Self help password resets	Password self administration	L	H		Imprivata agent offers a pw reset option built in, and in the management GUI was more intuitive in navigating the password management
Auto Launch / Launch Window	Launch scripts on login	Autolaunch customization / scripts and application during login	M	H	The Healthcast wrapper process and vbscripting was noticeably more effort to setup	Imprivata offers on paper a broader compatibility with biometric devices

Reporting

Ease of obtaining standard reports	Standardized reporting	Built in reporting mechanism	H	M	Healthcast had basic reporting capabilities but their SQL database does allow for SRS and Crytal reports when needed.	Imprivata had many canned reports but did not allow within the GUI for customized reports. The do allow for export to a log server where reports can be generated from the output.
Ease of aggregating and sub setting data	SSO - export reporting	Built in ability to export SSO user / application details along with authentication	H	L	Both products had reporting capability, The Healthcast SQL backend does allow for extended reporting using SRS / Crystal	Imprivata had many canned reports but did not allow within the GUI for customized reports. The do allow for export to a log server where reports can be generated from the output.

System Management Functionality

Intuitiveness of system	Client / Server and application setup	Simplified to setup, help integration	L	H		Imprivata client / appliance solution was a simpler and cleaner install and the GUI was simpler to navigate with extensive help. Their documentation complimented the product
Ease of use, friendliness	Client usage / Server GUI console usage	Intuitive application flow, simple to setup, help integration	M	M		Imprivata client / appliance solution was a simpler and cleaner install and the GUI was simpler to navigate with extensive help. Their documentation complimented the product
Simplicity of the application flow	SSO application integration	Integratin with PoC clinical applications	L	H	Healthcast wrapper process was more involved and appeared to more difficult to complete	The Imprivata agents installs were un-eventful
Overall capability of systems ability to meet needs	Product maturity	Enterprise deployments, vendor compatabilties, vendor application compatabilities	M	H	Both products are scallable with HA / DR capabilities	The Imprivata appliance is significantly simpler to expand and scale in a distributted model

	Healthcast	Imprivata			
The Product Demonstrated: Simplified Sign On	1-low/4-high	1-low/4-high			
Access					
Importing Capabilities	3	4	Imprivata product features allowed for a rapid AD discovery and authentication integration.	Check	Native integration with AD, multiple domain
Exporting Capabilities	3	4	Both product offered good solutions but the Imprivata export was simple and intuitive	Check	
Raw Access Total	6	8			
System Navigation					
The screens were easy to read	3	4	Healthcast clinical screen was great but their management console was more difficult to navigate		
The system was easy to navigate through	3	4	Healthcast clinical screen was great but their management console was more difficult to navigate		
On-line tools were easy to use	3	3			
The system used simple graphical user interface (GUI)	2	4	Healthcast clinical screen was great but their management console was more difficult to navigate		
Raw Navigation Total	11	15			
Scalability					
Flexibility of the system to accommodate current and future needs	3	4	Healthcast has a smaller employee base and customer install base.		
System response time	3	4	Both vendors met response times. This was relatively dependent on the VMWare / Citrix environments		
Raw Scalabilty Total	6	8			
Specific Functions					
Ease of server installation	2	4	Based on documentation and Time spent the Imprivata sulution was a simpler and cleaner install		
Ease of configuration (server)	2	4	Based on documentation and Time spent the Imprivata sulution was a simpler and cleaner install		
Ease of client installation	3	4	Based on documentation and Time spent the Imprivata sulution was a simpler and cleaner install		
Ease of configuration (client)	3	4	Based on documentation and Time spent the Imprivata sulution was a simpler and cleaner install		
Fast user switching	3	3	Based on observations this was an even comparison		
Roaming	3	3	Based on observations this was an even comparison		
XP embedded	3	3	Based on observations this was an even comparison		
CE Client	3	3	Based on observations this was an even comparison		
PDA (mobile)	3	3	Based on observations this was an even comparison		
Raw Function Total	25	31			
The Vendor Discussed					
Training	2	4	Both vendors offere good training options but Imprivata based on references would likely be less training involved		
System integration capabilities (IDM)	2	4	Install / setup time for Healthcast took longer		
Mapping user's SSO apps to new user id if original changes in AD	2	4	Based on observations this was an even comparison		
Version release process	2	4	Based on observations this was an even comparison		
Vendor partnership possibilities	2	4	Imprivata appears to offer many more channel and vendor partners		
Raw Discussion Total	10	20			
General Opinion of the Vendor					
Preparation for the demonstration	2	4	Both vendors prepared well. Healthcast was onsite longer.		
Thoughtfulness of the demonstration & audience	3	3	Met requirements.		
Knowledge of Corp requirements	4	4	Met requirements.		
Knowledge of their system	3	3	Met requirements.		
Responsiveness to your questions	2	4	Met requirements.		
How do you rate the system?	3	4	Met requirements.		
How do you rate the vendor?	2	4	Met requirements.		
Raw Opinion Total	19	26			
Raw Totals	#REF!	#REF!			
			Imprivata is GINA chaining. Why ? Impact on 2nd factor devices.		

Test Case ID	Name	Description	Imprivata	Healthcast
SSO-AA-00	New User Enrollment	New User Enrollment (prompts for personalized responses for password resets, etc)	Good	Good
SSO-AA-01	Biometric authentication to dedicated workstation	Advanced Authentication: Clinical dedicated workstation (Not in scope for PoC)	Not in Scope	Not in Scope
SSO-AA-02	Advanced Authentication: Clinical dedicated workstation	Launch Clinical applications without authentication prompts after and SSO login	Good	Good
SSO-AA-03	Advanced Authentication: Clinical non-dedicated workstation	Biometric authentication to workstation (Not in scope for PoC)	Not in Scope	Not in Scope
SSO-AA-04	Advanced Authentication: Clinical non-dedicated workstation	Launch Clinical applications without authentication prompts after and SSO login	Good	Good
SSO-AA-05	Advanced Authentication: Clinical dedicated laptop	Biometric authentication to laptop	Good	Good
SSO-AA-06	Advanced Authentication: Clinical dedicated laptop	Launch Clinical applications without authentication prompts after and SSO login	Good	Good
SSO-AA-07	Advanced Authentication: Clinical non-dedicated mobile device (IPAD)	Advanced Authentication to IPAD	Good	Good
SSO-AA-08	Advanced Authentication: Clinical non-dedicated mobile device (Smartphone)	Advanced Authentication to Smartphone	Not in Scope	Not in Scope
SSO-AA-09	Advanced Authentication: Clinical non-dedicated mobile device (IPAD)	Inactivity timeout session for SSO on an IPAD	Good	Good
SSO-AA-10	Advanced Authentication: Inactivity timeout session for SSO Clinical Personal (dedicated or non-dedicated) workstation or laptop	Inactivity timeout session for SSO Clinical Personal (dedicated or non-dedicated) workstation or laptop	Good	Good
SSO-AA-11	Advanced Authentication: Clinical non-dedicated mobile device (Smartphone)	Inactivity timeout session for SSO on a Smartphone	Not in Scope	Not in Scope
SSO-AA-12	Advanced Authentication: Clinical common workstation or laptop or kiosk	Multiple session Biometric authentications to a common workstation or laptop or kiosk	Not in Scope	Not in Scope
SSO-AA-13	Password Expired	User's Active Directory (AD) password expires.	Not tested	Not tested
SSO-AA-14	Account Locked (Help Desk Assisted)	User's account has locked due to too many incorrect entries (Not in scope for PoC)	Not tested	Not tested
SSO-AA-15	Password Change	User has decided to change their password	Good	Good
SSO-AA-16	Password Reset	User's Active Directory (AD) password has been locked out and needs to be reset.	Good	Good
SSO-AA-17	Auditing & Reporting	SSO – AA Administrator performs product run auditing and reports	Not tested	Not tested

| Documentation Analysis	Healthcast	Imprivata
Documentation Maturity	Unknown, based on a couple pdf's I had received it's primative, limited details screen shots etc…	Very detailed for each component of the product, Detailed flows, screen shots etc…
Intuitive Management GUI	The GUI can be navigated but lack of built in help and quality product documentation would require effort to setup manage.	Very clean GUI, setup wizards and clean tab to tab setup and built in help reducses effort to setup / manage.
Console ID Management Maturity	Modest, still trying to obtain and analyze documentation.	Initial analysis complete the workflows are reasonably well documented.
Console Report Management Maturity	Very crude reporting wizard. Back end SQL	Canned report and modestly cusomizable. Back end Oracle.
Console ID reset capability Maturity	SQL schema process and script.	Build into the console GUI very intuitive.
Vendor has a backup method for authenticating users if the primary vehicle fails.	Yes, uknown what effort it would take to implement	Yes, Appliance solution would be predicatably less effort
Vendor's solution incorporates advanced authentication such as biometrics (fingreprint, retinal, proximity badges, and voice prints, or keystroke profiling.	Yes, retinal, voice prints would require additional support from what research I could find	Yes, biometric vendor adoption and integration already deployed in the field.
Backed database	SQL relatively easy to setup, 64 bit and SQL 2008 not yet supported.	Oracle enterprise support, scallable
Solution Platform	Intel Server based product. Relatively easy to setup but interconnecting with depended applicatins would require professional services. HA is possible, professional services to setup.	Risc Applicance, Scallable, stable and easy to manage. With proper MSA and technical support it would be a concern to support. HA is built into the appliance, intuitive to setup.
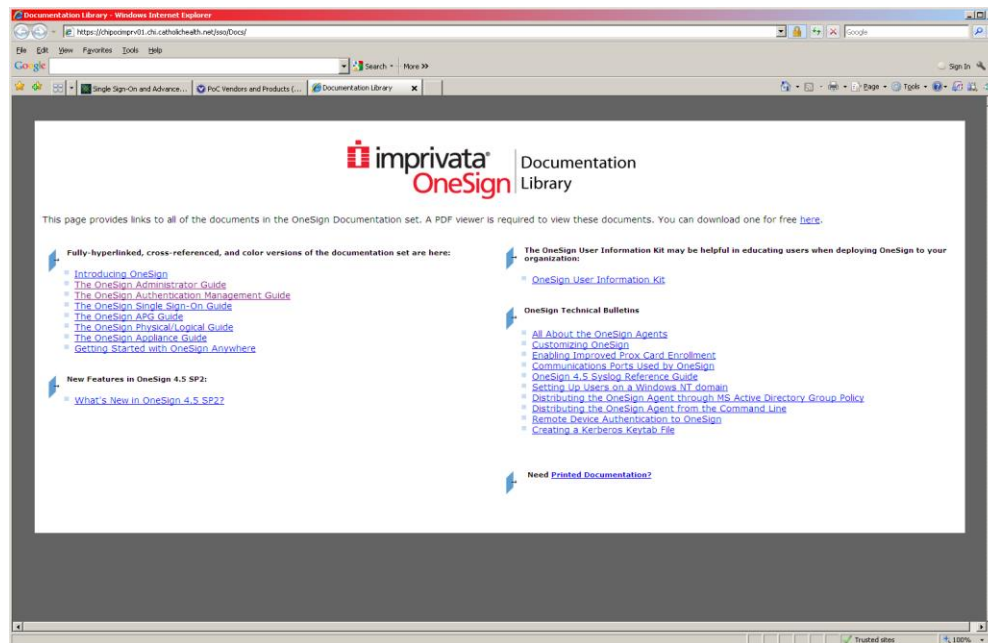
Healthcast documenation screen shots will be posted here when I am able to retrieve it.

Sample documentation flows and maturity

Diagrammatic Summary
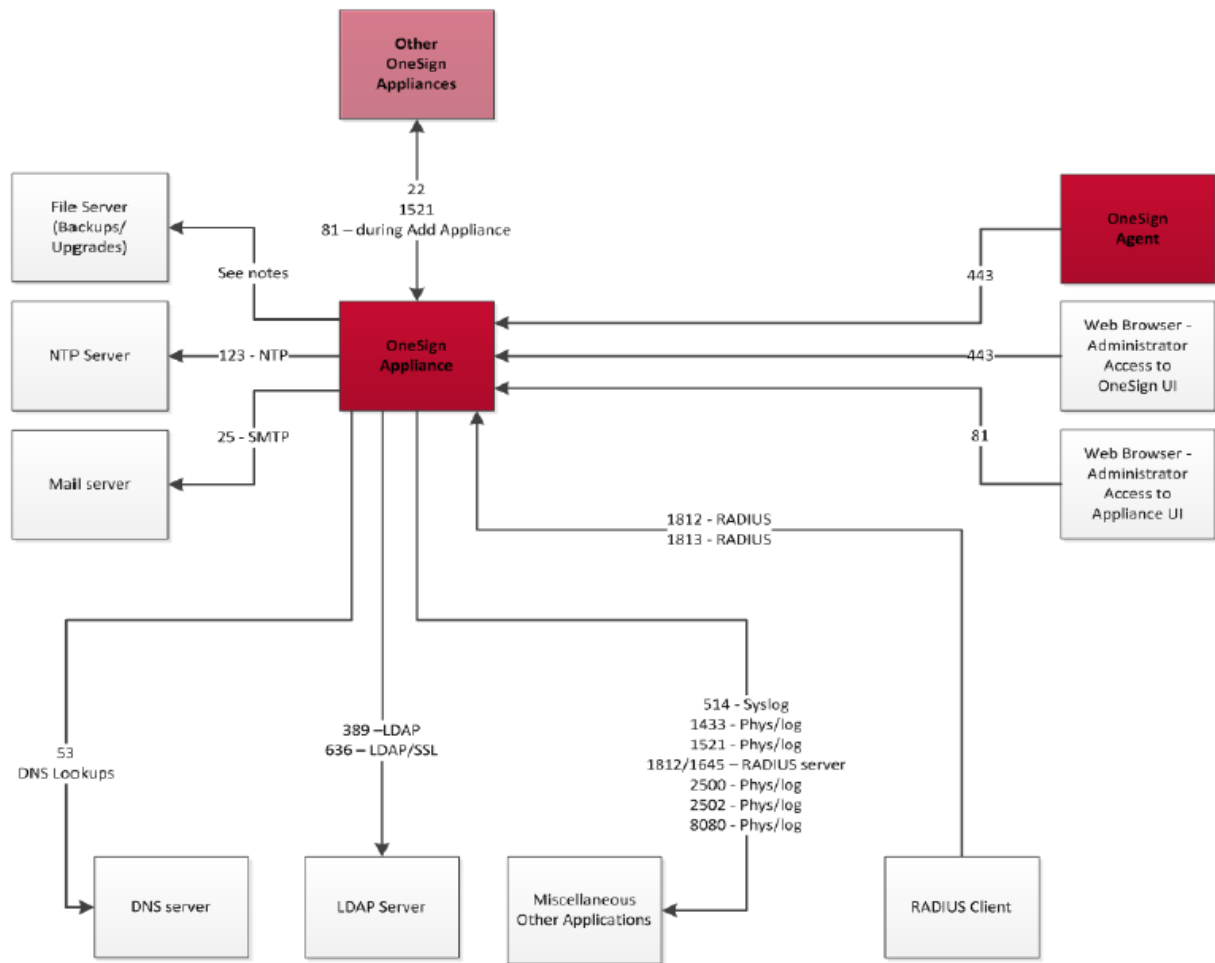
OneSign Communication Port Summary