

TOP SECRET STRAP1 COMINT

CNE End Point Requirements

<p>CATEGORY</p> <input type="radio"/> Experiment <input type="radio"/> Refinement <input type="radio"/> Bug Fix <input type="radio"/> ALL	<p>REQ TYPE</p> <input type="radio"/> Capability <input type="radio"/> Convergence <input type="radio"/> Query <input type="radio"/> Taskir <input type="radio"/> Viewe <input type="radio"/> ALL	<p>PRIORITY</p> <input type="radio"/> Priority <input type="radio"/> Priority <input type="radio"/> Priority <input type="radio"/> ALL		<p>This spreadsheet contains the collated CNE user requirements captured by ██████████ as the Endpoint initiative lead.</p> <p>To cut down the amount of information visible select the material you want to see via the Radio Buttons and then press "GO".</p>	<p>Requirements are divided into a number of CATEGORIES identifying the amount of INNOVATION required to satisfy the requirement</p> <p>Requirements are labelled by TYPE - referring to the primary issue associated with the requirement</p> <p>Requirements are PRIORITISED - Priority 1 being the highest (essential) and Priority 3 the lowest (nice to have)</p>
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REQUIREMENTS					PLANNED DEVELOPMENT WORK
Category	Type	Priority	Number	Description	Individual Tasks - with RAG status
Refine	Capability	1	Cap.01	Request document / file properties and task on the basis of the same (author/etc)	STARGATE (Manual authorisation tool)
Experiment	Capability	1	Cap.02	Detect internal network activity (volumes and movement of specific data types)	
Experiment	Capability	1	Cap.03	Low latency presence data for use in tip-off collection	
Experiment	Capability	1	Cap.04	Remote indexing	ROCK OPERA remote indexing
Experiment	Capability	1	Cap.05	Use API type functions of operating systems like their indexing	
Experiment	Capability	2	Cap.06	characterisation of unallocated or deleted space - potentially a source of intelligence on internet-facing target machines	STARGATE (Daredevil remote forensics plugin) Quincey plugin
Experiment	Capability	2	Cap.07	Destination IP address from messenger client packet capture	
Experiment	Capability	2	Cap.08	PCS - capability against mobile devices	Research in CNE and ICTR
Experiment	Capability	2	Cap.09	ability to list programs and applications commonly used on the machine (pulled from Registry and program files?) - and to monitor frequency of use	
Experiment	Capability	2	Cap.10	Follow/monitor movement of files / movement of users (key to identifying the valuable parts of a network)	STARGATE (network summary plugin) STARGATE (Endpoint data characterisation)
Experiment	Capability	2	Cap.11	* when a file is shared? Removable media: USB harvester (with logics applied to implant on USB to auto-retrieve data).	
Refine	Capability	2	Cap.12	web browsing content (html, cookies etc)	
Experiment	Capability	3	Cap.13	Change the registry (eg browser stain)	
Experiment	Capability	3	Cap.14	Collect the first line of the document text / the first 'n' characters.	

Experiment	Capability	3	Cap.15	CNA / CND profiling - Be able to search on hacking profile/signature so can spot attacks leaving a box. Need	STARGATE (Endpoint data characterisation)
Experiment	Capability	3	Cap.16	Remote hashing of files	
Experiment	Convergence	1	Conv.01	Data must be of a format which enables it to be merged with data from other sources / tools in any future converged platform. E.g. putting internet selector (TDI) related material into passive events systems and auto-correlating activity from a CNE implant to the same intercept collected in passive	STARGATE ROADMAP iteration 7-10 (corporate framework, native viewing, CMS, convergence)
Experiment	Convergence	1	Conv.02	Metadata must be exportable to other relevant tools.	STARGATE (Graphical query engine)
Experiment	Convergence	1	Conv.03	Geolocation information Google earth / C.O.R.E. / K.I.M	STARGATE ROADMAP iteration 7-10 (corporate framework, native viewing, CMS, convergence)
Experiment	Convergence	2	Conv.04	Ability to compare EndPoint data with JTRIG forensic data &	CNE metadata into the CMS
Experiment	Convergence	2	Conv.05	Develop a fingerprint concept (includes characterisation) - application profiles exportable to search in XKEYSCORE	STARGATE (Endpoint data characterisation) STARGATE (Machine survey/summary component)
Experiment	Convergence	2	Conv.06	End Point data should have Maps, Openair & tech standards, shareable with other tools to enable cross querying across the 5-eyes.	STARGATE ROADMAP iteration 7-10 (corporate framework, native viewing, CMS, convergence)
Refine	Convergence	2	Conv.07	EndPoint data should send / generate metadata for the new Content Metadata Store (CMS)	CNE metadata into the CMS GOLDEN EYE 2
Experiment	Convergence	2	Conv.08	Enrichment of EndPoint content and metadata from other tools/databases (BroadOak, UTT, JTRIG, Globalreach, Global Surge, THUGGEE)	STARGATE ROADMAP iteration 7-10 (corporate framework, native viewing, CMS, convergence) LOOKING GLASS
Experiment	Convergence	2	Conv.09	Events data containing End Point internet activity material e.g. this public IP has been seen in MARINA.	STARGATE ROADMAP iteration 7-10 (corporate framework, native viewing, CMS, convergence)
Experiment	Convergence	2	Conv.10	Flexibility to keep pace with tools developments, compatibility with others' efforts, and accessible to e.g. ICTR (Applied Research)	Eclipse platform/framework
Experiment	Convergence	2	Conv.11	PSC tipping to EREPO / other passive collection (see tasking requirement)	STARGATE (Alerting Components)
Experiment	Convergence	2	Conv.13	Data feeds in & out of Endpoint: Radio values and MAC addresses / IP addresses - take data to, and lookup from Global Surge / Roadbed / Overhead / wifi mapping /	STARGATE (Machine survey/summary component) STARGATE ROADMAP iteration 7-10 (corporate framework, native viewing, CMS, convergence)
Experiment	Convergence	2	Conv.16	Expose content & metadata from CNE to passive eg PANICING BEARS / Fire Knowledge base/ internet cafes webmail cookie as an Active User entry/IP & Datetime in HAUSTORIUM/MARINA/(via Shareown?)/MUTANT BROTH or other corporate solutions	STARGATE ROADMAP iteration 7-10 (corporate framework, native viewing, CMS, convergence)
Experiment	Convergence	3	Conv.17	Ability to view collected items with reports that have been written from them - MOONRAKER (assume this would be done using the source record for reports)	STARGATE ROADMAP iteration 7-10 (corporate framework, native viewing, CMS, convergence)
Refine	Convergence	3	Conv.19	Be able to launch queries in other SIGINT systems from within EndPoint e.g. Send identified selectors to events tools	STARGATE ROADMAP iteration 2 LOOKING GLASS
Experiment	Convergence	3	Conv.20	Carbon Rod - show me a man in the middle between this End Point network and this website. (Vulnerability	MUGSHOT STARGATE (Machine survey/summary component)

				assessment)	STARGATE (Network visualisation)
					STARGATE (network summary plugin)
					HIGH NOTE (CNE TD tools)
					NAC Network Visualisation work
Experiment	Convergence	3	Conv.21	If the network contains wireless bridges, show me pictures of where that RF has been seen). Having the ability to connect to imagery would be useful.	STARGATE (Network visualisation)
					NAC Network Visualisation work
Experiment	Convergence	3	Conv.24	Link the hashes to the Sight Knowledge Base. Feed BROAD OAK and other summarisation tools.	STARGATE ROADMAP iteration 7-10 (corporate framework, native viewing, CMS, convergence)
					STARGATE (Endpoint data characterisation)
Experiment	Convergence	3	Conv.25	Link out to (mirrored) open source resources such as Web / Wiki - look up machine / hardware info E.g. This MAC address resolves to this type of equipment	GOLDEN EYE 2
					HIGH NOTE (CNE TD tools)
Experiment	Convergence	3	Conv.26	The ability to connect EREPO information and router configs, in relation to your network - noting any outbound traceroutes that cross an EREPO access.	STARGATE (Task management component)
					HIGH NOTE (CNE TD tools)
					STARGATE (Network visualisation)
Refine	Query	1	Qry.01	Result summaries - users need to be able to see results and refine/summarise the dataset prior to launching further analytics/viewing formats. Also histogram, count, filter functions available for all results run against a tabular	Migrate STARGATE plugins to LOOKING GLASS
					STARGATE (Graphical query engine)
					LOOKING GLASS
Refine	Query	1	Qry.02	Every metadata value generated can be queried including time, using Boolean expressions.	Migrate STARGATE plugins to LOOKING GLASS
					CNE metadata into the CMS
					STARGATE (Graphical query engine)
					LOOKING GLASS
Experiment	Query	1	Qry.03	Query using indexed values from files (indexed remotely or locally) with ability to apply Boolean logic, including foreign keys and unique keys of the CNE datastore	ROCK OPERA remote indexing
					UDAQ2
Refine	Query	1	Qry.04	Query against the CNE datastore * target user * machine/folder * time * most recently viewed files	STARGATE (Graphical query engine)
Refine	Query	1	Qry.06	Save queries	STARGATE (collaboration components)
					STARGATE (Graphical query engine)
Refine	Query	1	Qry.07	Tag-based searching: tags are given to items that fit the description e.g. "yahoo", "voip" (similar to fingerprints in X-Keyscore). Ability to compile 'common' tag-based searches. Essential to the knowledge sharing process and corresponding use at scale of end point.	STARGATE (Endpoint data characterisation)
Experiment	Query	2	Qry.08	Show me what IP messaging clients have connected to, suggests new targets. Query on peer to peer connections	
Refine	Query	2	Qry.09	Ability to add notes to items/machines/networks/projects to support collaboration, notes pushed up the chain. Click on a note to go to the item	STARGATE (collaboration components)
					LOOKING GLASS
Experiment	Query	2	Qry.10	Available bandwidth for egress ('which boxes can I get >1MB files from?')	STARGATE (Shopping basket full functionality)
					EKB information

Refine	Query	2	Qry.12	Import data from another source (eg 3rd party filelisting) - for example a CSV file into Eclipse	GOLDEN EYE 2
Refine	Query	2	Qry.13	Pull out all applications seen on a box / network	STARGATE (Machine survey/summary component) STARGATE (Endpoint data characterisation)
Experiment	Query	2	Qry.14	pull out all selectors seen on a box / in docs * Telephone numbers, emails, passwords etc retrieved	STARGATE (Summarisation) STARGATE (Graphical query engine)
Refine	Query	2	Qry.16	from an End Point collected into a single product for the user. Query presence data by query pattern of life - suggest machines / users / TDIs + latency & tip off	STARGATE (Graphical query engine) STARGATE (Endpoint data characterisation)
Experiment	Query	2	Qry.17	Schedule queries on collected data	STARGATE (Graphical query engine)
Refine	Query	2	Qry.18	Share queries	STARGATE (collaboration components)
Experiment	Query	3	Qry.19	Ability to push data - i.e. 'other people found this interesting' / 'other people asked for this on this box' / 'query this to find X / information (e.g. Confidential queries)	STARGATE (collaboration components) STARGATE (Endpoint data characterisation)
Refine	Query	3	Qry.21	Confidential queries all retrieved yahoo data / encryption	STARGATE (Graphical query engine)
Refine	Query	3	Qry.22	Other users Flagged items (see knowledge sharing) and star rating for items	STARGATE (collaboration components)
Refine	Query	3	Qry.23	Query operations by machine types / topic / technologies / common properties of operations, projects or machines	STARGATE (Endpoint data characterisation) STARGATE (Graphical query engine)
Refine	Query	2	Qry.24	The ability to track the unique number assigned to a thumb drive by computer and then correlate and map this to when that same thumb drive is used in a different computer.	
Experiment	Query	3	Qry.25	Volumes of activity across networks * which boxes are used most often * which boxes do certain things?	STARGATE (Network visualisation) STARGATE (Endpoint data characterisation) STARGATE (Graphical query engine) NAC Network Visualisation work
Refine	Tasking	1	Task.01	By a specific file type	STARGATE STARGATE (Endpoint data characterisation)
Refine	Tasking	1	Task.02	By those most recently viewed or used	STARGATE STARGATE (Endpoint data characterisation)
Refine	Tasking	1	Task.03	directory listings / file listings	STARGATE
Refine	Tasking	1	Task.04	images / documents as thumbnails only	STARGATE (Thumbnail viewer) STARGATE (Auto conversion of thumbnail files) STARGATE
Experiment	Tasking	1	Task.05	Inform analysts what is / is not possible on this box / network etc. * Document what plug ins are available and how they work. * What capabilities can be directly tasked by the analyst for the relevant box. E.g. remote indexing of a box * How could we implant it	STARGATE (Machine survey/summary component) STARGATE (network summary plugin) STARGATE (Shopping basket full functionality) ROCK OPERA remote indexing HIGH NOTE (CNE TD tools) MUGSHOT
Experiment	Tasking	1	Task.06	Tag-based tasking - internet activity profile (e.g. usernames, passwords, B cookies, web browsing and more...)	STARGATE (Endpoint data characterisation)
Experiment	Tasking	1	Task.07	Need for rules (time/volume/file types), conflict resolution, permissions	STARGATE (Task management component) EKB information
Refine	Tasking	1	Task.10	Request individual files	STARGATE (Manual authorisation tool)

					STARGATE
Refine	Tasking	1	Task.11	Request network info e.g. traceroutes, ipconfig, arp - a, possible route -print, netmap	STARGATE (Manual authorisation tool) STARGATE (Network visualisation)
Experiment	Tasking	1	Task.13	Mission management: within the EndPoint system - on file request, generate metrics / stats - TPA can use	STARGATE (Chequerboard) LOOKING GLASS
Refine	Tasking	2	Task.14	Access to cookie content. These are powerful sigint enablers, carrying selector and geolocation information amongst other stuff, so rank higher than other web browsing material.	STARGATE
Experiment	Tasking	2	Task.15	Tasking by application e.g. "get me all Skype files"	STARGATE (Endpoint data characterisation)
Experiment	Tasking	2	Task.16	Tasking by files containing a string / having particular hash values / image hash values	STARGATE (Endpoint data characterisation)
Refine	Tasking	2	Task.17	#2Tasking by files that have changed	STARGATE (Endpoint data characterisation)
Experiment	Tasking	2	Task.18	Tasking by geo value - google earth, public ip profiles, machine identifiers.	STARGATE (Endpoint data characterisation) Evolved MUTANT BROTH
Experiment	Tasking	2	Task.19	Tasking by type media content collection - IM/email text, voice, video, ... eg "get me all voice files"	STARGATE (Endpoint data characterisation) Automated tasking
Refine	Tasking	2	Task.20	Tasking by user / author	STARGATE (Endpoint data characterisation)
Refine	Tasking	2	Task.22	keylog requests - useful for passwords and the like	STARGATE (key log viewer)
Refine	Tasking	2	Task.26	request pings on IP addresses to determine equipment types.	STARGATE (Manual authorisation tool) HIGH NOTE (CNE TD tools) MUGSHOT
Experiment	Tasking	2	Task.28	Retrieve files based on text content- eg if the document has TOP SECRET in it, collect it, don't wait to be asked	ROCK OPERA remote indexing STARGATE (Shopping basket full functionality)
Experiment	Tasking	2	Task.29	Search engines	STARGATE (Screenshot viewer) STARGATE (Shopping basket full functionality)
Refine	Tasking	2	Task.30	Tasking pre-End Point (gueueing up tasking before the endpoint is ready)	STARGATE (Manual authorisation tool)
Experiment	Tasking	3	Task.33	Bulk tasking - ability to apply tasking parameters to the network / project; task a target set	STARGATE (Manual authorisation tool) TURBINE (mission applications) ACNO mission management
Experiment	Tasking	3	Task.34	Effects based tasking, for certain users e.g. ability to change registry, watermark files, or even destroy the box?	STARGATE (Manual authorisation tool) New CNE Effects tool
Experiment	Tasking	3	Task.36	Task an End Point to send tipping to the EREPO system for collection on the active IP of the box. Put a beacon on this	STARGATE (Manual authorisation tool) STARGATE (Alerting Components)
Refine	Viewer	1	View.01	Ability to configure every function of the viewer, so that settings are saveable and shareable	STARGATE (Collaboration components) LOOKING GLASS
Experiment	Viewer	1	View.02	ability to view content in foreign script (in the correct order)	STARGATE ROADMAP iteration 8 UDAQ2
Experiment	Viewer	1	View.03	Across networks we need to be able to distinguish between: * a computer on a network seen but not implanted at all * computers with first stage implants, second stage implants * second stage implants but not yet surveyed * looked at by an analyst	STARGATE (Network visualisation) HIGH NOTE (CNE TD tools) LUNAR HORNET (Support for implant visualisation) NAC Network Visualisation work ICTR (B13B) network mapping

Experiment	Viewer	1	View.04	Analytics to produce a summary / profile page of a machine as a starting point for the analyst, like CIA QUINCY	STARGATE (Machine survey/summary component) STARGATE (Chequerboard)
Experiment	Viewer	1	View.05	Display & filter for implants/make recommendations (show me paths with x hops)	STARGATE (Network visualisation) STARGATE (Network summary plugin) LUNAR HORNET (Support for implant visualisation)
Experiment	Viewer	1	View.06	Visualise and physically / logically map target networks	STARGATE (Network summary plugin) STARGATE (Network visualisation) NAC Network Visualisation work ICTR (B13B) network mapping
Refine	Viewer	1	View.07	Machine properties: Domain - which domain(s) is the machine in?	STARGATE (Machine survey/summary component)
Refine	Viewer	1	View.08	Metadata for each file to include file properties (author, last modified by, dates, length, hidden, password protected, language setting, hash values, unique to payload &	STARGATE (Endpoint Data Characterisation) ROCK OPERA remote indexing
Refine	Viewer	1	View.09	Metadata for each file to include file types (extension and a descriptor)	STARGATE (Endpoint Data Characterisation)
Refine	Viewer	1	View.10	Machine properties: IP (public/private) include relevant passive access points	STARGATE (Machine survey/summary component)
Experiment	Viewer	1	View.11	Model time aspects in visualisation & physical/logical mapping of target networks - ie as machines	STARGATE (Endpoint Data Characterisation) STARGATE (Network visualisation)
Refine	Viewer	1	View.12	Machine properties: Name	STARGATE (Machine survey/summary component)
Experiment	Viewer	1	View.14	see applications on a box. E.g. mail clients, messenger clients, Autocad, Google Earth, antivirus/network apps VPN.... "what apps on what box?"	STARGATE (Machine survey/summary component)
Refine	Viewer	1	View.16	Show machine properties (note not 'implant' properties). Allow for the possibility of multiple implants on a single machine.	STARGATE (Machine survey/summary component)
Experiment	Viewer	1	View.17	Show overall Project information on Op - who the target is, requirements, why the target is being worked. (e.g. Country/contextual stuff - CP - Dr Evil - henchman No 1) - summary of progress. - summary of SIGINT parameters (casenotations/sigad) - project lead and analysts who've registered an interest - linked to Machines under Op and network overview	STARGATE (Task management component) STARGATE (Machine survey/summary component) STARGATE (Project/Op summary view) FLAME CARPET 2 Eclipse drill down BROADOAK LOOKING GLASS
Experiment	Viewer	1	View.21	Need for COIs, need to see current status of users compartments. Classification of current view.	STARGATE (Authorisation components, incl user management) GOLDEN EYE 2
Refine	Viewer	1	View.22	Show results of content searches with paths for content location	UDAQ2
Experiment	Viewer	1	View.23	supported ability to view / run native versions of non plain text material (office docs, jpegs, video etc ALSO registry data, system files, shortcuts.)	STARGATE (registry viewer) STARGATE ROADMAP iteration 8 FUME CUPBOARD

Experiment	Viewer	1	View.24	tasking history - an ability to see the status of all files and the user's and others' current tasking Requested / Rejected / Accepted / Delivered, viewable over an individual machine/project/network/SigintUser/SigintTeam/types of task/status etc etc (ie by any property of the tasking including time)	STARGATE (Task management component)
Experiment	Viewer	1	View.25	Visualise file structures across different machines and browse through them. Dirwalks, file listings and other survey results to be included. Subtract what's the same (or what's different)	STARGATE ROADMAP iteration 8 STARGATE (Graphical query engine) STARGATE (Endpoint Data Characterisation) STARGATE (machine survey/summary component)
refine	Viewer	2	View.26	Ability to click on email account and look at associated web browsing (algorithm to sessionise web sessions to email accounts > user)	STARGATE (Endpoint Data Characterisation) PASSIVE/ACTIVE convergence Analytics
Refine	Viewer	2	View.28	Ability to see who has viewed the network / project / machine / individual files (including self)	LOOKING GLASS UDAQ2
Refine	Viewer	2	View.29	An ability to add and amend comments to the machine and to label it with values as above.	LOOKING GLASS
Refine	Viewer	2	View.30	Applications installed and versions/settings	STARGATE (Machine survey/summary component)
Experiment	Viewer	2	View.31	Be able to graphically represent how a computer is communicating within the network, as well as outside. * Which ports are they using? * Are they transferring information via FTP? * Are they using instant messaging applications over the network?	STARGATE (Network visualisation) STARGATE (Network summary plugin) Converged analytics STARGATE (Machine survey/summary component)
Experiment	Viewer	2	View.32	Ability to compare machines across a project/across CNE	STARGATE (Machine survey/summary component) STARGATE (Endpoint Data Characterisation)
Refine	Viewer	2	View.33	click on email account to see other computers this account has been seen on in this particular network / other CNE	STARGATE (Endpoint Data Characterisation) STARGATE (Network visualisation)
Experiment	Viewer	2	View.34	Access to large networks - different operations (eg NSA, EREPO, RUFFLE) may have access at different points of a network	STARGATE (Network visualisation) STARGATE (Network summary plugin) STARGATE (Endpoint Data Characterisation)
Refine	Viewer	2	View.35	Connecting my network internal to external / CNE to Passive	GLOBAL SURGE
Refine	Viewer	2	View.36	Connection Logs to the network/internet, by type as well as time for machine & target (eg POP3 logon times, dialup connection times wifi ssids)	STARGATE (Endpoint Data Characterisation)
Refine	Viewer	2	View.37	Display address book and signature values from apps on machine (eg outlook)	STARGATE (E-mail visualisation)
Refine	Viewer	2	View.38	Display messaging activity from IM clients	STARGATE (Endpoint Data Characterisation) LOOKING GLASS
Refine	Viewer	2	View.39	Compare machines across a project/CNE - files sent/received	
Experiment	Viewer	2	View.40	find where the same values are present elsewhere (in metadata/content/other accesses)	STARGATE (Graphical query engine) STARGATE (Endpoint Data Characterisation)

Refine	Viewer	2	View.42	highlight where specific application/app type files are stored (e.g. push out all Skype/Paltalk/MSN/Outlook files/communications files)	STARGATE (Endpoint Data Characterisation)
Refine	Viewer	2	View.43	Implant type, installed plugins, and potential plugins (machine level view)	EKB information
Refine	Viewer	2	View.44	Latencies (traceroutes)	HIGH NOTE (CNE TD tools) STARGATE (Network visualisation) NAC Network Visualisation work
Refine	Viewer	2	View.45	list files on desktop	
Refine	Viewer	2	View.46	list of any identifiers found and where they were pulled from on the machine (eg. Rasphone.pbk)	STARGATE (Machine survey/summary component) STARGATE (Endpoint Data Characterisation)
Refine	Viewer	2	View.47	list of the Nethood Folder	
Refine	Viewer	2	View.48	list profiles/accounts on box	
Refine	Viewer	2	View.49	Log of implant callbacks	JACKPOT
Experiment	Viewer	2	View.50	model contact data (best merged with other accesses - see convergence)	STARGATE (Endpoint Data Characterisation) LOOKING GLASS
Experiment	Viewer	2	View.52	model internet activity - cookie exchanges and other content as well as a metadata summary	STARGATE (Endpoint Data Characterisation) User centric view Activity modelling
Experiment	Viewer	2	View.53	Model indexing of collected files on/across machines	Entity extraction
Refine	Viewer	2	View.54	msinfo command properties and similar.	SLIPSTREAM Forensics Implant
Refine	Viewer	2	View.55	option to view only retrieved files and their location	
Experiment	Viewer	2	View.56	play back / visualise user/machine/network activity (temporal modelling)	STARGATE (Network visualisation) STARGATE (Machine survey/summary component) LOOKING GLASS
Experiment	Viewer	2	View.57	registry viewer analysis	STARGATE (registry viewer) STARGATE (Daredevil remote forensics plugin)
Refine	Viewer	2	View.58	See a model of where value has been gained from similar machines (Amazon shopping model) - trend analysis	STARGATE (collaboration components) STARGATE (Endpoint Data Characterisation)
Refine	Viewer	2	View.59	See project lead and analysts who have registered an interest. Register an interest for self/section	STARGATE (Endpoint Data Characterisation) STARGATE (Alerting Components)
Refine	Viewer	2	View.60	show machines accessed from other machines	STARGATE (machine survey/summary component)
Refine	Viewer	2	View.61	Show where files have changed since being viewed.	STARGATE (Chequerboard)
Refine	Viewer	2	View.62	show where recently opened/created documents are stored (color coding if file has changed since last accessed)	STARGATE ROADMAP iteration 2 STARGATE (Graphical query engine)
Refine	Viewer	2	View.64	Machine properties: Type (Desktop/router/server/switch/wireless bridge/firewall/VSAT modem etc)	STARGATE (Machine survey/summary component) STARGATE (Network visualisation) STARGATE (Endpoint Data Characterisation) NAC Network Visualisation work
Refine	Viewer	2	View.65	user logs (who logged on when)	STARGATE (machine survey/summary component) STARGATE (Endpoint Data Characterisation) Activity profiling

Experiment	Viewer	2	View.67	Visualise the status of CNE operations, based on information held within the End Point System.	STARGATE (Chequerboard)
Experiment	Viewer	3	View.68	ability to display 'pattern of life' based on presence data. 'social' networks to overlay the physical and logical network.	LOOKING GLASS
Refine	Viewer	3	View.69	ability to synchronise data - ability to convert times on target data to Zulu/correct time if settings on target box/network are wrong.	
Experiment	Viewer	3	View.70	Ability to view collected items that have been reported and to label items as reported.	LOOKING GLASS
Refine	Viewer	3	View.71	click on email account / Instant Messaging account to see list of buddies	STARGATE (E-mail visualisation) STARGATE (Endpoint Data Characterisation)
Refine	Viewer	3	View.72	click on email account to see list of emails received / Subject / From:	STARGATE (E-mail visualisation) STARGATE (Endpoint Data Characterisation)
Experiment	Viewer	3	View.73	highlight files in suspicious places. eg This is supposed to be a system file but is in the wrong place.	STARGATE (Machine survey/summary component) STARGATE (Endpoint Data Characterisation)
Experiment	Viewer	3	View.74	highlight whether this is a valid 'system' file. Helpful in telling analyst what is worth tasking.	STARGATE (Endpoint Data Characterisation)
Refine	Viewer	3	View.75	How access was gained (MITM, content based -with email used, QUANTUM etc)	STARGATE (Machine survey/summary component)
Refine	Viewer	3	View.76	links to glossary of CNE/TAO/other glossary, breakdown of plugin options and definitions	D1.3 (support provision of STARGATE training) LOOKING GLASS
Refine	Viewer	3	View.77	list of email accounts to passwords	STARGATE (E-mail visualisation) STARGATE (Endpoint Data Characterisation)
Refine	Viewer	3	View.78	MAC/serial numbers & Equipment description - e.g. what is "box"? provide information on capability / what are OS properties	STARGATE (Machine survey/summary component)
Refine	Viewer	3	View.79	Radio properties of box (eg wifi or vsat modem)	STARGATE (Machine survey/summary component)