**Xian NM V8 wishlist**

* SNMP V3 support: it should be possible to discover and monitor a device that supports SNMP V2 and/or V3 through Xian NM
* Add/remove devices from the web console: the device discovery process should be done from the Xian NM web console along with the option to remove it
* Add, remove, edit rules from the web console: a monitoring rule should be added, removed or edited from a device view from the web console directly
* Create, add, remove, apply policy templates from the web console: a special section on the web console should be created where the management of policy templates should be done
* Run network scan tasks from the web console: besides individually discovering devices, a network scan task action should be available
* Xian NM services and components monitoring and configuration from the Web console: it should be possible to see the state of the Xian NM components on the web console and make the required adjustments to it
* More settings and configurations accessible through the Xian NM web console: some features are currently configured with some default values that a user needs to modify for fine tuning, some of the most important ones should be visible on the web console
* Diagram widget: a new widget that will give users a better idea on the state of a device is the diagram one, this diagram should show the tree structure of a device and its components and show a state rollup
* Device health state tree view: the list of components that belong to a device should be displayed on a tree view where you can see their current state and navigate through their individual details and alerts
* Overviews for all devices: the overview view should be available for all monitored devices despite their type. Besides, the available actions list should be expanded
* Import/export/edit KBAs: the KBA associated to any alert should be imported, exported and edited directly by a user
* Improve wizards: the wizards should be improved to show components that will help search and sort the element that needs to be selected among other improvements for UI
* Improve performance specially on performance graphs: drawing a performance graph should be fast and should not require too much effort on the server and/or the client side
* Improve server stability: the Xian NM server should be robust and stable enough to support multiple connections at the same time and multiple users and device communication
* Top N report: a new report required consists on a top N for states of devices and components based on a rule
* Logs: Xian NM should have log files and information for all its components, including the services and specially the consoles.

**Engineering**:

* Channel and notifications re design needs to be added (the current one is no easy to understand).
* The server needs to add error codes for many scenarios in order to handle them correctly in the console. ( For example error code for licenses, we should avoid assuming states of null values or missing properties, it generates many bugs and buggy code)
* Alert properties should be re organized, there are some mixed properties in details that duplicates the info.
* Complete CAS authentication for Mobile. The current APK has commented this feature.
* Generation of reports on server side. Too large reports takes considerable time.
* Testing of real Jala products, complete KBAs for PAC.
* Console UI for Process Watcher, enable rabbit MQ consumer.
* Jala Cloud agent/plugin.
* Implementation of Maintenance mode for those monitored devices, whenever a device has been set on Maintenance mode, no active rules should be monitoring such device until maintenance mode has been set to off.
* JSON RPC Request review, level validation, field validation, improvements.
* Enhancement for Widgets filters, add “sorting” by one or more fields, replace the usage of ID’s by some other field key candidate field e.g. “device name”, “IP address”, etc.
* Enhancements for Alerts, assign owners, add more alert states, improvements.
* Xian Services Alerts and Counters.
* Enable Xian to run inside Linux’s Dockers
* Enable Flow monitoring
* Enable Virtual Center monitoring
* Topology diagrams. A diagram showing the relationship between the devices and their health state
* Custom widget resizing.
* Performance and Scalability test (Server and Web console side – QA). A document with the procedure and all the needed things in order to run it in the web console side should be created
* Real time test, QA will be run a test in order to see if is possible to have a certain number of devices monitored without problems.

Schedule: 1 minute

Devices: will be incremented each certain time

Policy Template: Basic Policy Template

* Enable Update Server service
* Review KBAs information SNMP plugins (Basic Policy Templates firstly)
* Review the method to display the version number in the login page, in order to support the installation of the future services packs in the web console side and the server side.
* Public dashboards: User should be able to create a public or private dashboard.
* Configuration monitoring: it is only available on cisco plugins and it retrieves the current configuration of the device
* Update device: updating the device manually and scheduled; update filtered elements
* Custom Rules editor
* MySQL plugin?
* PostgreSQL plugin?