



NixAGUI
Agent UI For Linux

Agent information on the Linux desktop for

Symantec Management Platform Solutions:

**Client Management Suite (CMS)
IT Management Suite (ITMS)**

Designed for the following Linux Distros/Desktops:

Distros:



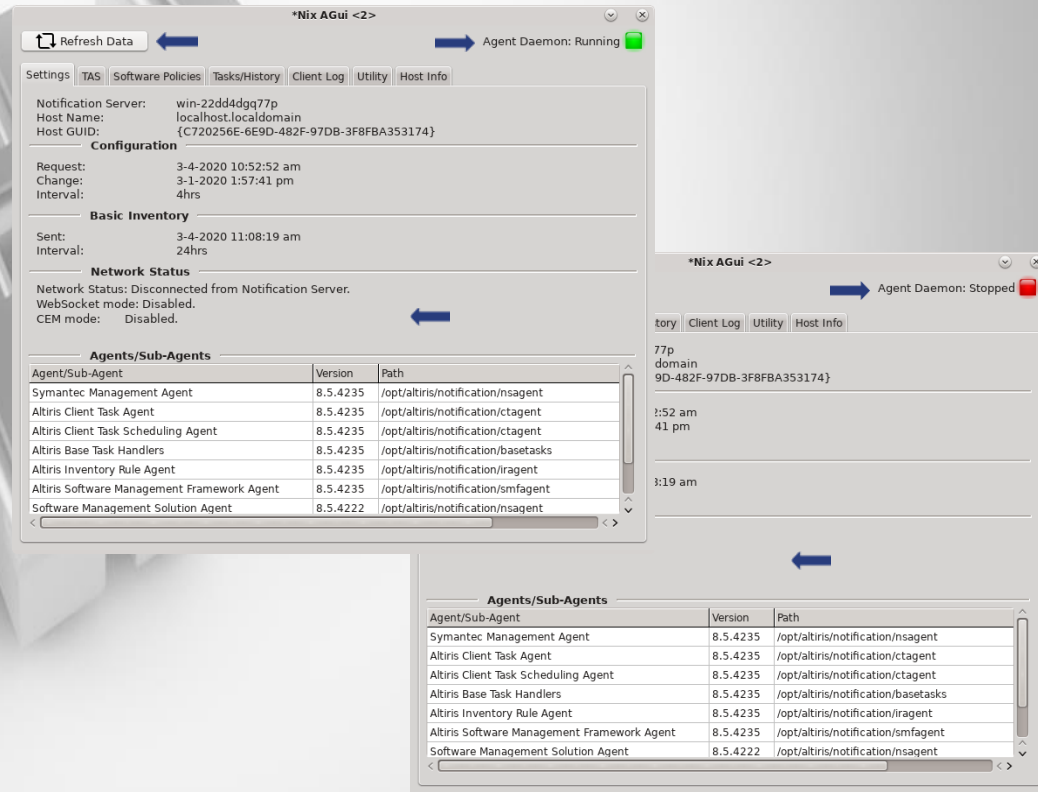
Desktops:



NixAGUI:

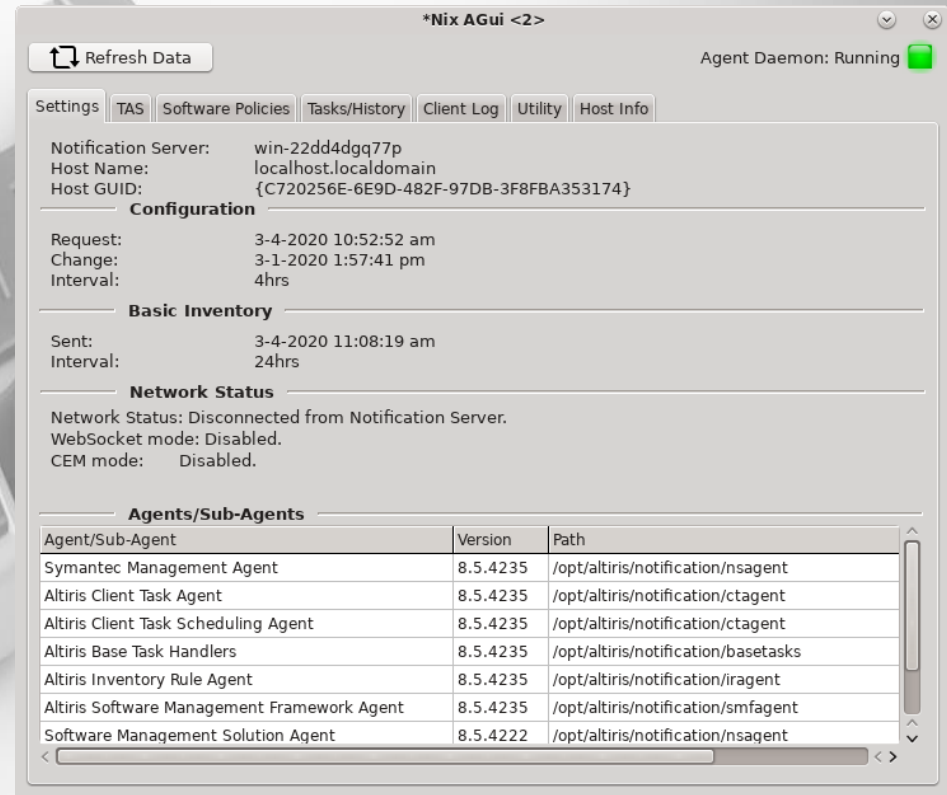
Offers some usage familiarity and additional features:

- Multiple tabs display for targeted information gathering
- Refresh Data display feature
- Green LED indicator feature = Agent daemon **running**
- Red LED indicator feature = Agent daemon **stopped**
- Settings Tab:
- TAS Tab (Targeted Agent Settings) feature:
- Software Policies Tab:
- Task/History Tab:
- Client Log Tab:
- Utility Tab feature:
- Host Tab feature:
- * Arrows indicate assistant features *



NixAGUI: Settings Tab

- Provides the following information:
 - Assigned Notification Server
 - Host Name
 - Host GUID
- Configuration Section:
 - Agent Request: D/T (converted Unix epoch time)
 - Change indicator: D/T (converted Unix epoch time)
 - Interval: Check in time indicator
- Basic Inventory
 - Sent: D/T (converted Unix epoch time)
 - Interval: Check in time indicator
- Network Status
 - Connection status and mode (display is blank on Agent daemon stop)
- Agents/Sub-Agents
 - Nice clean listing!



NixAGUI: TAS Tab

Targeted Agent Settings

- **Client/Agent Stats:**
 - Client Last Boot
 - Agent Daemon Start
 - Agent Runtime (Total – decimal hours)
 - LAN (communication over – decimal hours)
 - WAN (communication over – decimal hours)
 - Disconnected (without connection to NS – decimal hours)
 - Comm Wait (Communication resumption wait)
 - Tickle Status (Enabled/Disabled)
- **Throttling and Bandwidth:**
 - Divider displays 'Targeted Agent Setting' profile currently in effect on client and bandwidth threshold assigned – it will also display 'Not Tracked' if client is unassigned
 - Status display of 'Active/Inactive' throttling, amount, time zone, start time, duration, calculated 'end time' and weekdays
- **Blockouts**
 - Status display of 'Active/Inactive' blockout, type, time zone, start time, duration, calculated 'end time' and weekdays

*Nix AGUI

Refresh Data

Agent Daemon: Running

Settings TAS Software Policies Tasks/History Client Log Utility Host Info

Client/Agent Stats

Client Last Boot:	Agent Daemon Start:	Agent Runtime(Total):	LAN:	WAN:
3-4-2020 10:50:38 am	3-4-2020 10:50:53 am	20.12 hrs/mins	18.60 hrs/mins	0.00 hrs/mins

All UNIX/Linux/Mac Servers

Throttling And Bandwidth Threshold(Status): 97.66 Mb

Status:	Set Amt:	Time Zone:	Start:	Duration:	End:	Weekday(s):
Inactive	3%	Local	7:00:00 am	5:01:00	12:01:00 pm	Monday,Tuesday,Wednesd
Active	3%	Local	1:02:00 pm	6:30:00	7:32:00 pm	Monday,Tuesday,Wednesd
Inactive	75%	Local	12:00:00 am	23:59:00	11:59:00 pm	Saturday,Sunday
Inactive	5kb	Local	5:30:00 am	1:29:00	6:59:00 am	Monday,Tuesday,Wednesd

Configured Blockouts:

Status:	Type Of:	Time Zone:	Start:	Duration:	End:	Weekday(s):
Active	Package	Local	1:05:00 pm	2:55:00	4:00:00 pm	Monday,Tuesday,Wednesd
Active	Total	Local	7:30:00 am	10:05:00	5:35:00 pm	Monday,Tuesday,Wednesd
Inactive	Package	Local	1:00:00 am	4:29:00	5:29:00 am	Saturday,Sunday

NixAGUI: TAS Tab

Targeted Agent Settings (Cont:)

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Refresh Data Agent Daemon: Running

Settings TAS Software Policies Tasks/History Client Log Utility Host Info

Client/Agent Stats

me(Total):	LAN:	WAN:	Disconnected:	Comm Wait:	Tickle Status:
mins	18.60 hrs/mins	0.00 hrs/mins	1.52 hrs/mins	10 mins	Enabled

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All UNIX/Linux/Mac Servers

Throttling And Bandwidth Threshold(Status): 97.66 Mb

start:	Duration:	End:	Weekday(s):
:00:00 am	5:01:00	12:01:00 pm	Monday,Tuesday,Wednesday,Thursday,Friday
:02:00 pm	6:30:00	7:32:00 pm	Monday,Tuesday,Wednesday,Thursday,Friday
2:00:00 am	23:59:00	11:59:00 pm	Saturday,Sunday
:30:00 am	1:29:00	6:59:00 am	Monday,Tuesday,Wednesday,Thursday,Friday

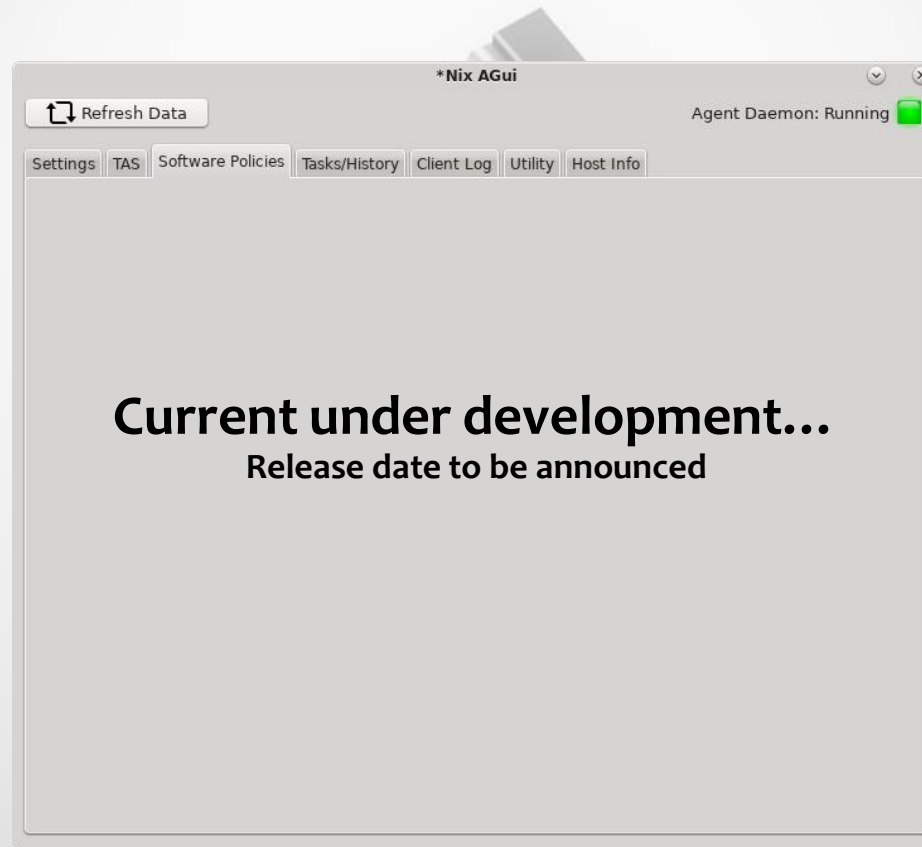
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start:	Duration:	End:	Weekday(s):
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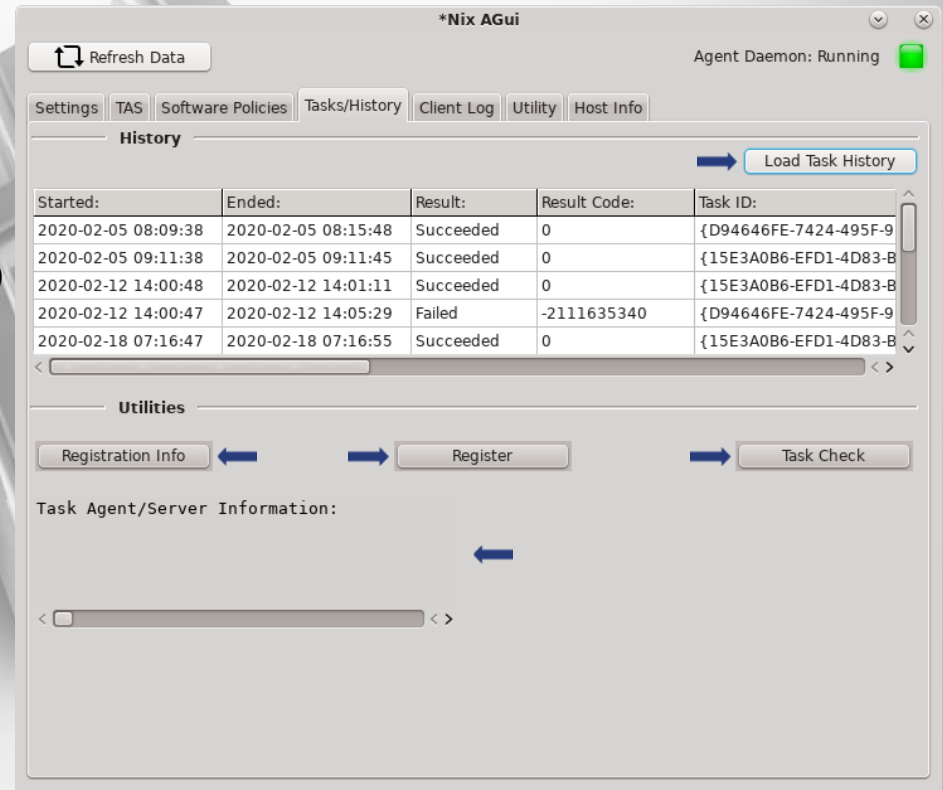
NixAGUI: Software Policies Tab



NixAGUI: Task/History Tab

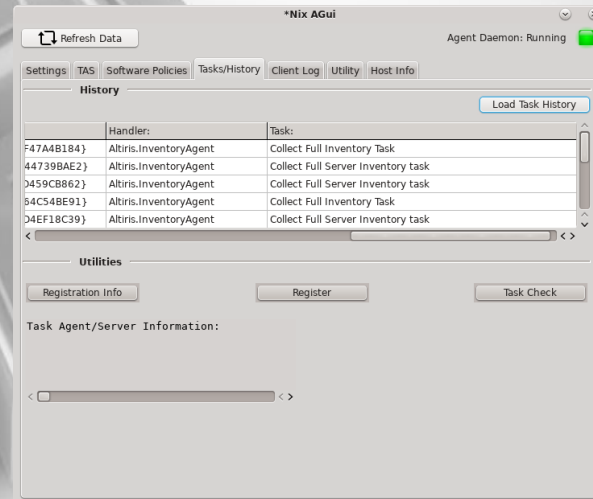
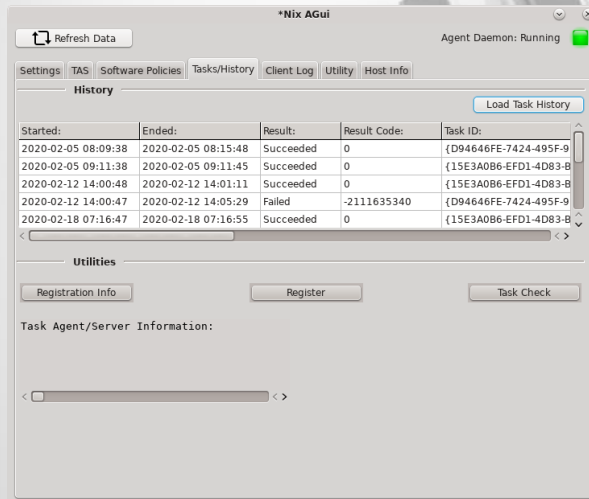
- **Task/History:**

- Load Task History (also refresh display of task history)
- Registration Info (displays registered TS)
- Register (registration with available TS)
- Task Check (checks for available tasks)



NixAGUI: Task/History Tab

Task/History (Cont:)



NixAGUI: Task/History Tab

Task/History (Cont:)

*Nix AGUI Agent Daemon: Running

Refresh Data

Settings TAS Software Policies Tasks/History Client Log Utility Host Info

History Load Task History

Started:	Ended:	Result:	Result Code:	Task ID:
2020-02-05 08:09:38	2020-02-05 08:15:48	Succeeded	0	{D94646FE-7424-495F-9
2020-02-05 09:11:38	2020-02-05 09:11:45	Succeeded	0	{15E3A0B6-EFD1-4D83-B
2020-02-12 14:00:48	2020-02-12 14:01:11	Succeeded	0	{15E3A0B6-EFD1-4D83-B
2020-02-12 14:00:47	2020-02-12 14:05:29	Failed	-2111635340	{D94646FE-7424-495F-9
2020-02-18 07:16:47	2020-02-18 07:16:55	Succeeded	0	{15E3A0B6-EFD1-4D83-B

Utilities

Registration Info Register Task Check

Task Server: WIN-22D04DGQ77P
Tickle Port: 50124
Registered: 2020-03-10 12:48:54
Last check: 2020-03-10 12:49:00
WebSocket mode: Disabled

*Nix AGUI Agent Daemon: Running

Refresh Data

Settings TAS Software Policies Tasks/History Client Log Utility Host Info

History Load Task History

Started:	Ended:	Result:	Result Code:	Task ID:
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2020-02-18 07:16:47	2020-02-18 07:16:55	Succeeded	0	{15E3A0B6-EFD1-4D83-B

Utilities

Registration Info Register Task Check

Task Agent Register process completed.

*Nix AGUI Agent Daemon: Running

Refresh Data

Settings TAS Software Policies Tasks/History Client Log Utility Host Info

History Load Task History

Started:	Ended:	Result:	Result Code:	Task ID:
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Utilities

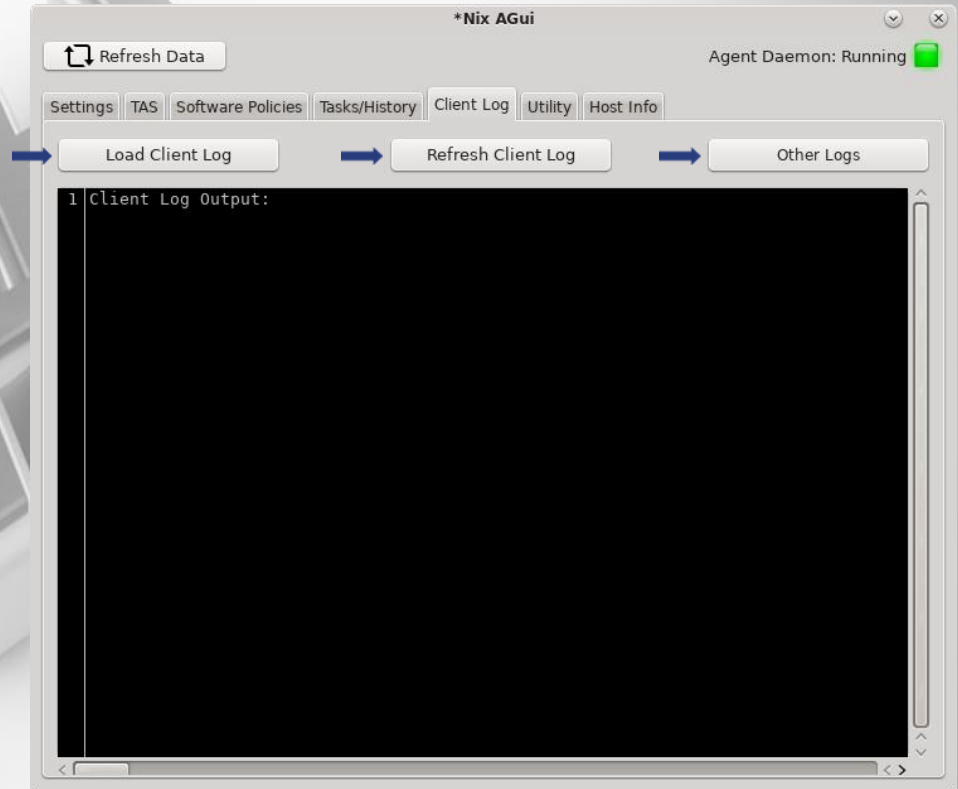
Registration Info Register Task Check

Task Agent Refresh process completed.

Display of Registration, Register and Check Task
Alternative results are displayed as well...

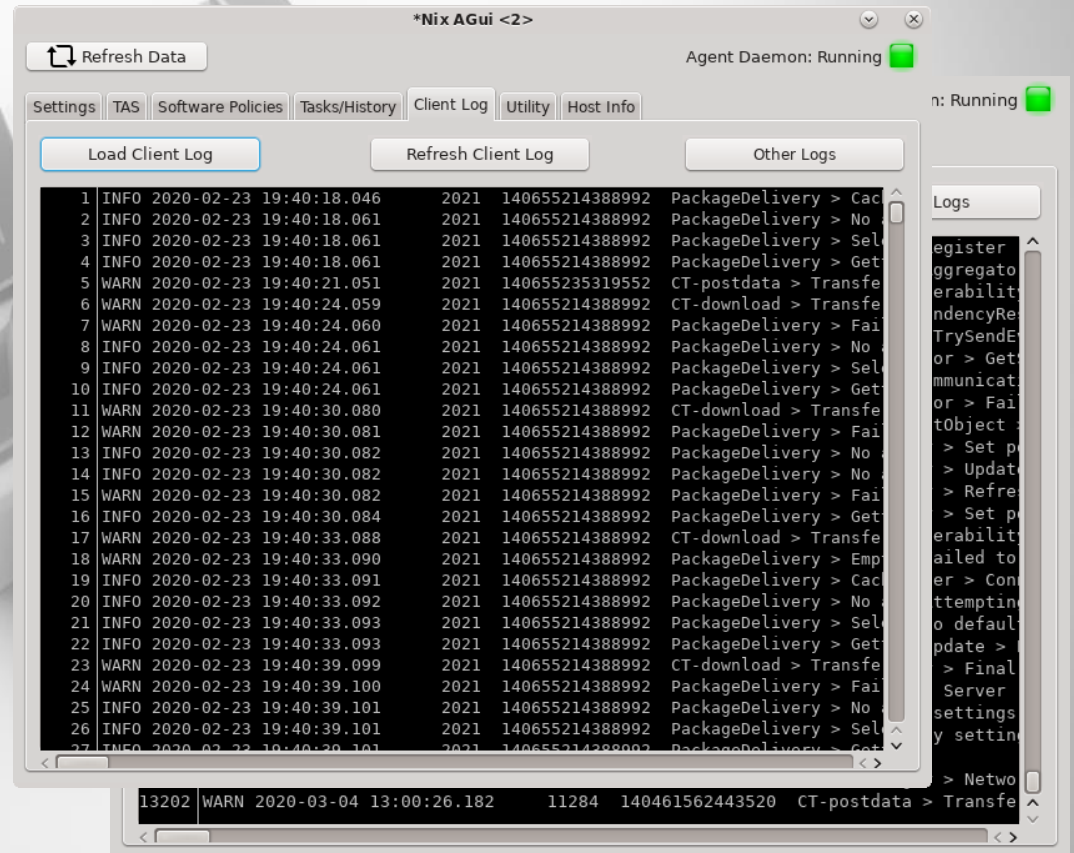
NixAGUI: Client Log Tab

- Vim is no longer needed, for your log review (most anyways)
- Interface provides a clean viewer for logs with line numbers and both horizontal and vertical scrollbars
- Load Client Log button loads 'current' log
- Refresh Client Log button will refresh display for changes to log file
- Other Logs button allows you to load older logs for review



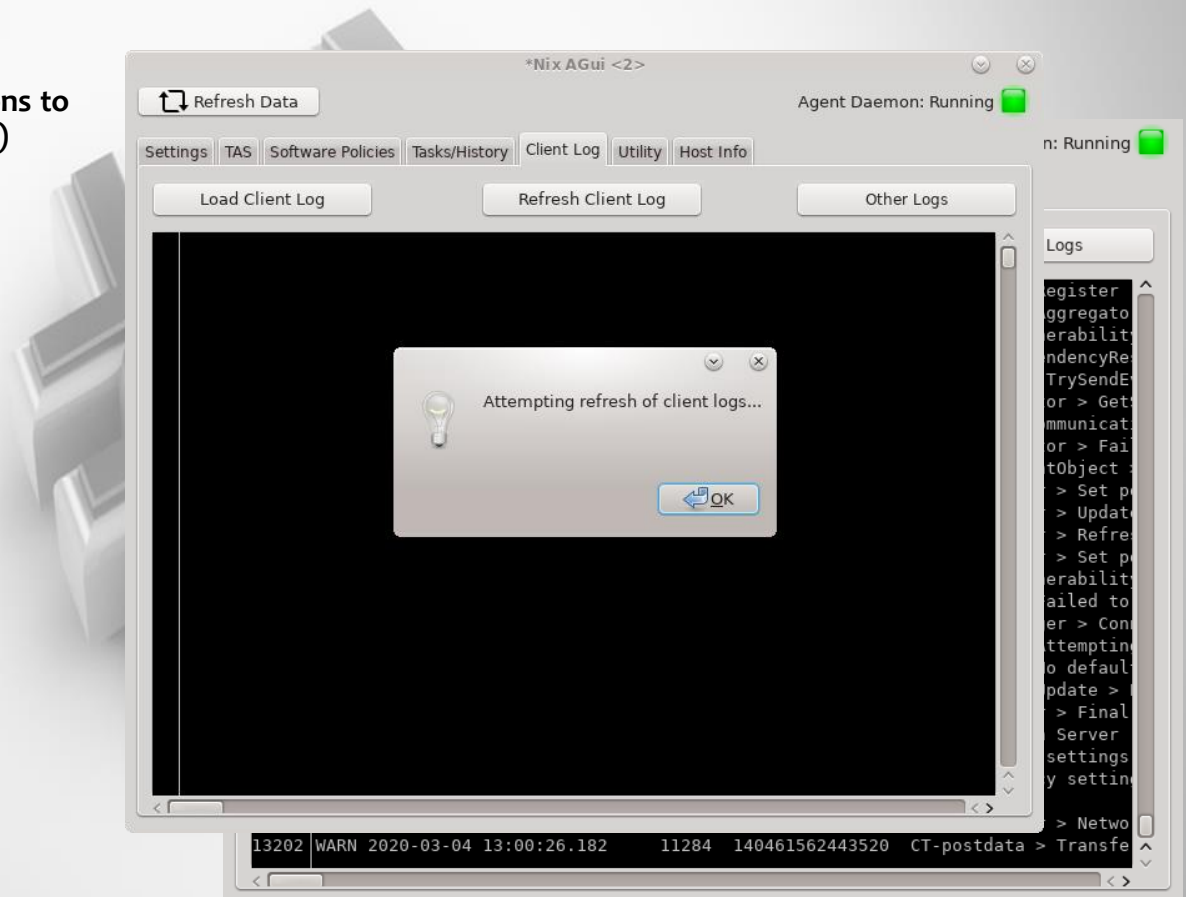
NixAGUI: Client Log Tab (Cont:)

- Scroll to the bottom of the log file or left to right for easy viewing (images depicting scroll to bottom)



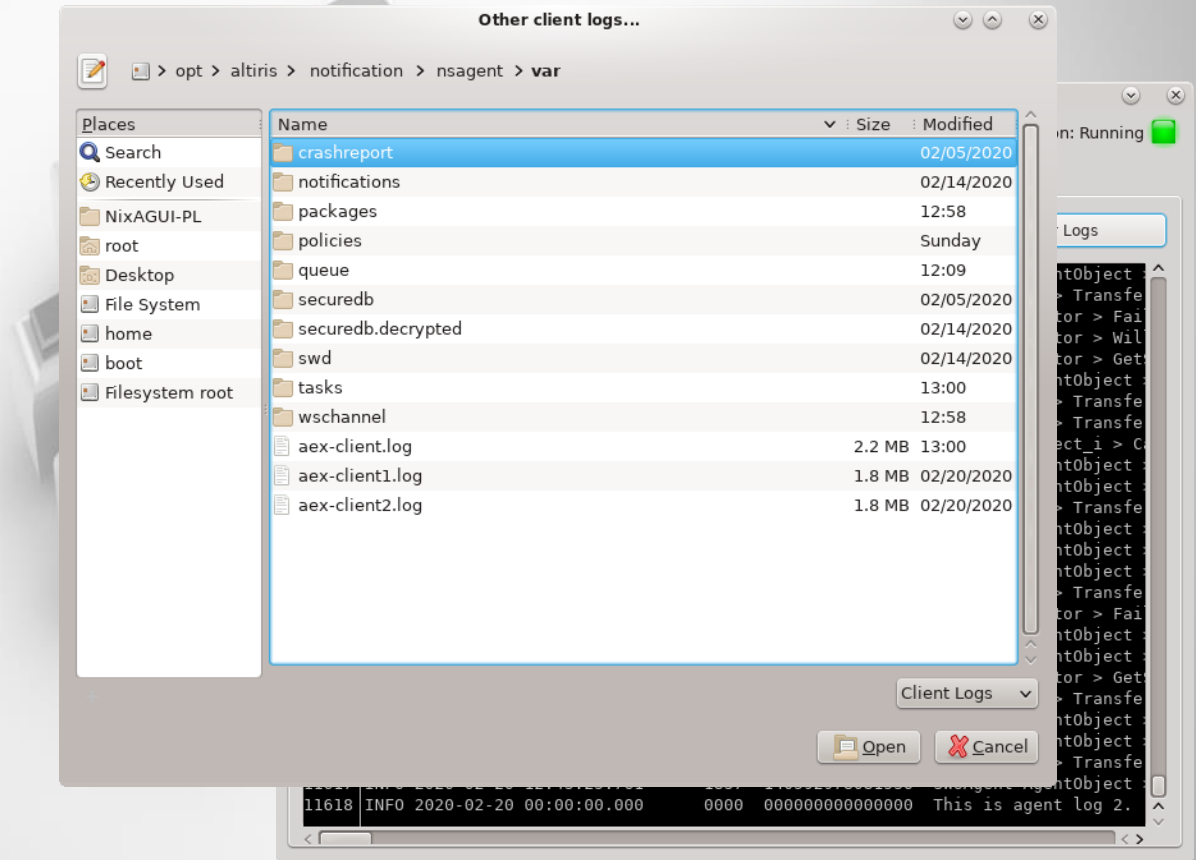
NixAGUI: Client Log Tab (Cont:)

- Refresh indicator (avoids access violations to log(s) being updated in the background)



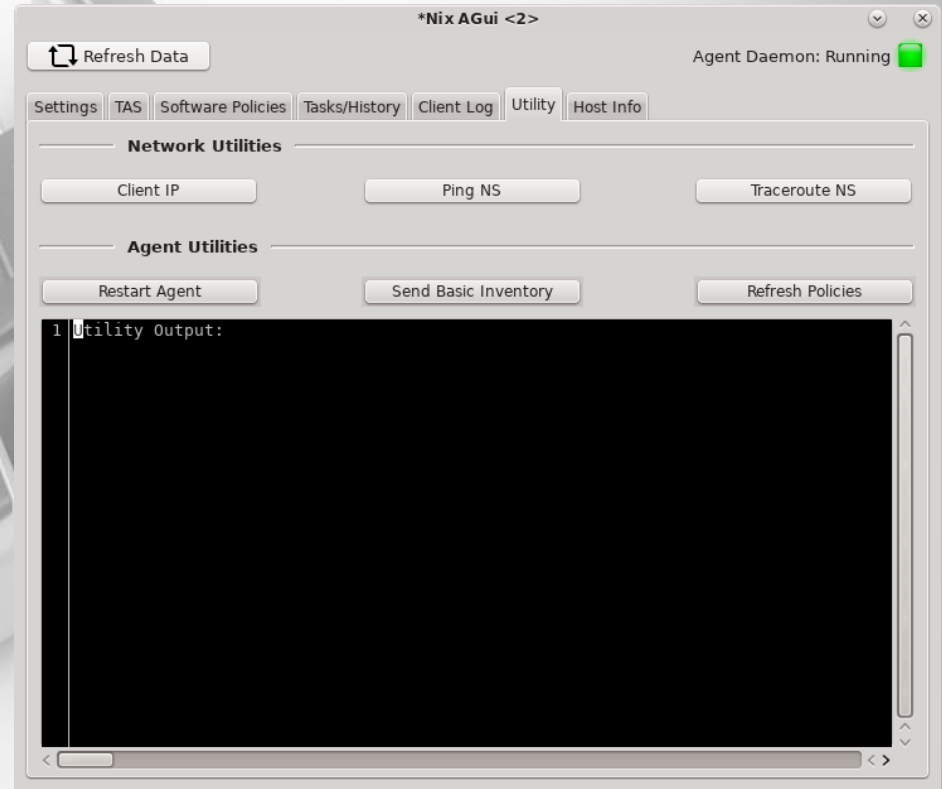
NixAGUI: Client Log Tab (Cont:)

- Other client logs...
 - Allows you to select which logs you want to review and open them in viewer

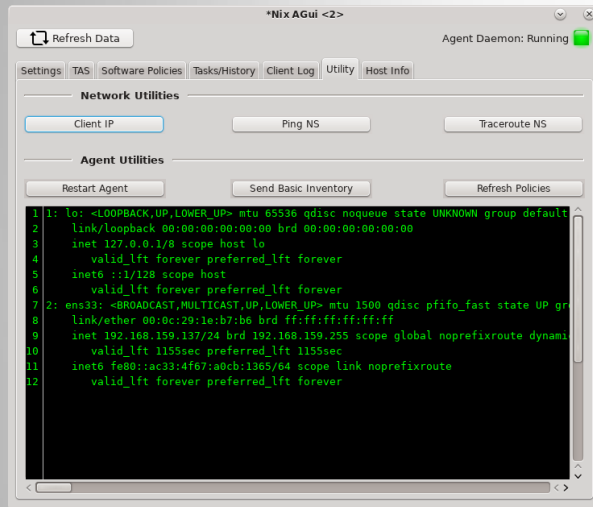


NixAGUI: Utility Tab

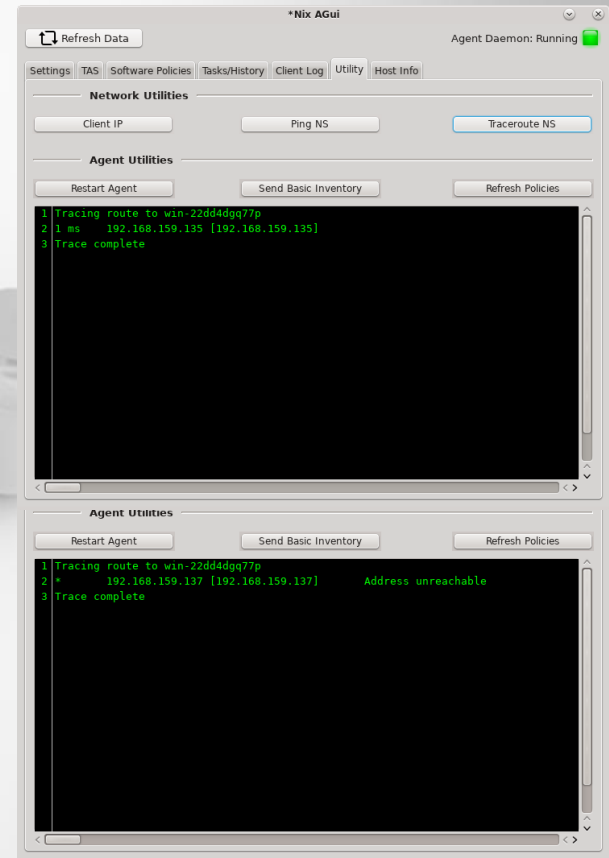
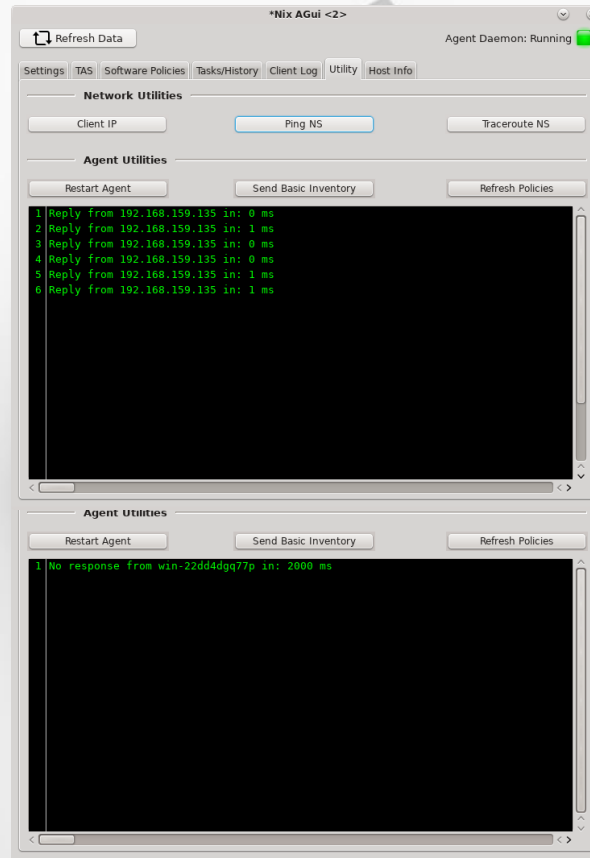
- Provides easy access to the more common troubleshooting tools and agent actions
- **Network Utilities**
 - Client IP (displays current Host IP)
 - Ping NS (performs and displays 6 pings to assigned NS)
 - Traceroute NS (performs and displays traceroute to assigned NS – goes to default 30 hops if needed)
- **Agent Utilities**
 - Restart Agent (performs and displays ‘restart’ action)
 - Send Basic Inventory (performs and displays ‘send’ basic inventory action - includes simple diagnostic message(s) if in an active ‘Total’ blockout period or in a network disconnected state)
 - Refresh Policies (displays and performs ‘refresh’ action - includes simple diagnostic message(s) if in an active ‘Total’ blockout period or in a network disconnected state)



NixAGUI: Utility Tab (Cont:)

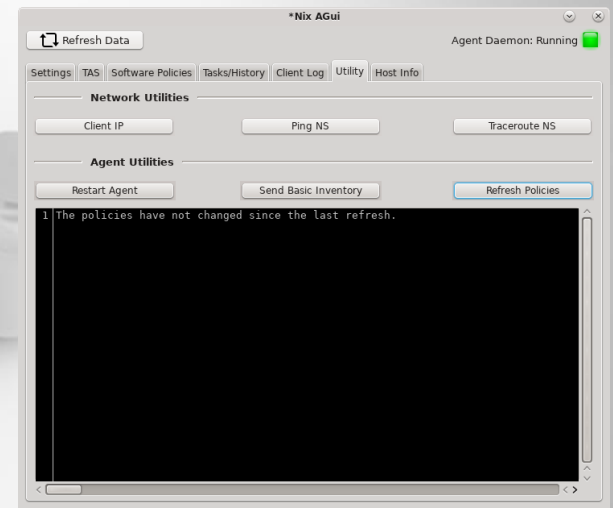
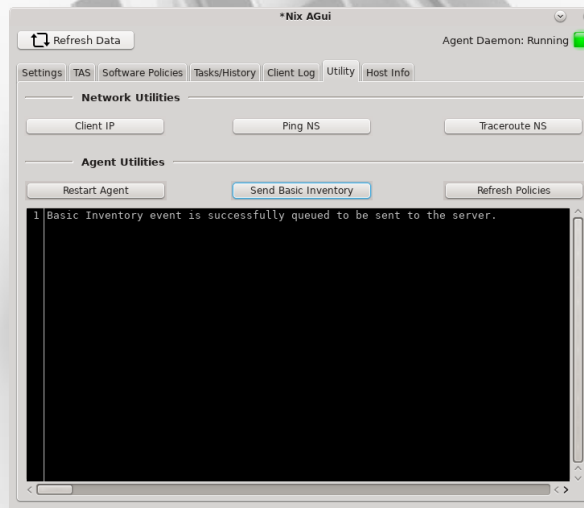
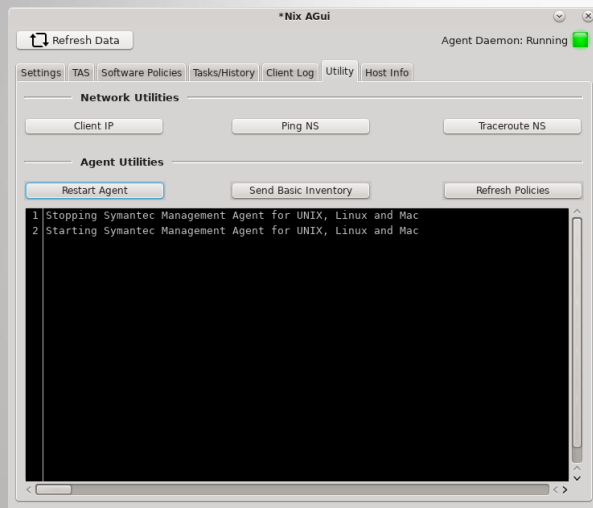


- Ping NS and Traceroute NS can be used for network diagnostics (NS reachable or not)



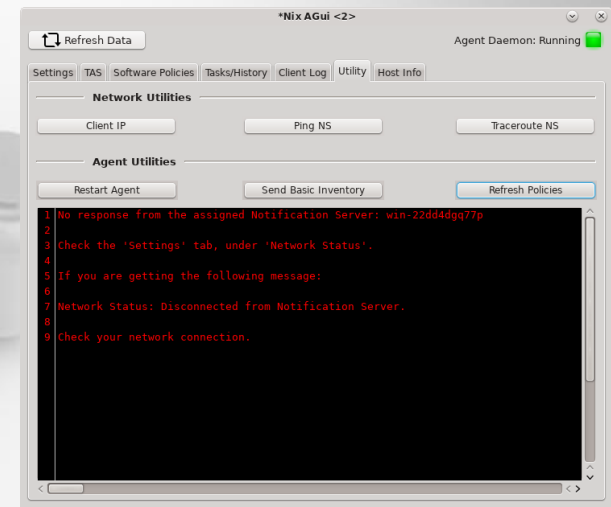
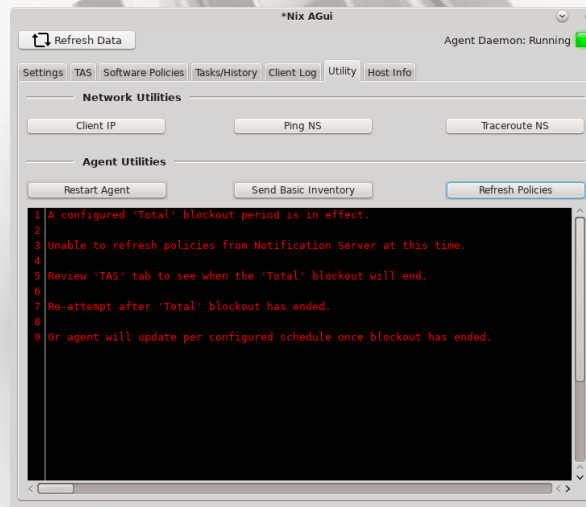
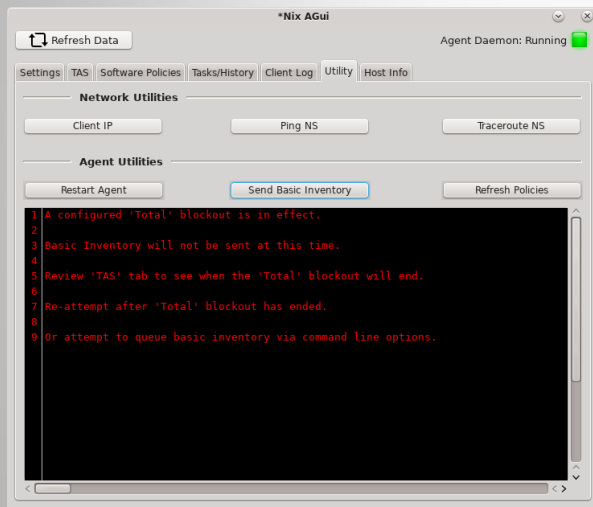
NixAGUI: Utility Tab (Cont:)

Network connected state display and without 'Total' blackout active



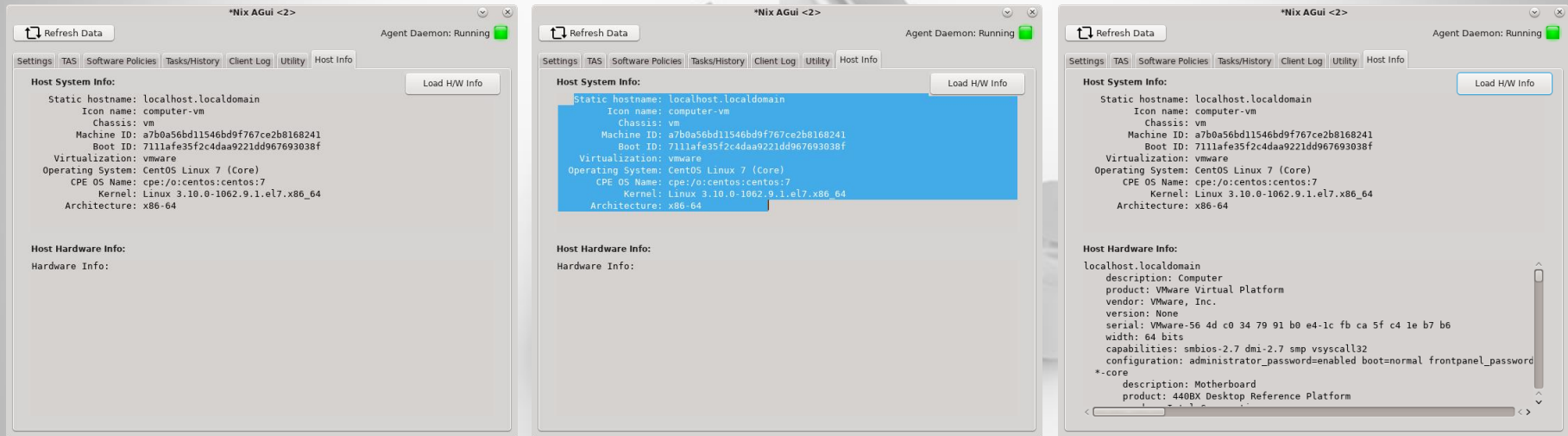
NixAGUI: Utility Tab (Cont:)

‘Total’ blackout active and/or in a network disconnected state



NixAGUI: Host Info Tab

Displays Host Name Info and Hardware Configuration



- Highlight & Copy/Paste capabilities (Ctrl-C, Ctrl-V)
- Load detailed hardware information via button click
- Scrollable read area for long data output

NixAGUI: Future Features

- Bandwidth throttling calculation column for (agent bandwidth usage) on TAS tab
- Searchable logs option on Client Log tab
- Software (Policy) tab completion
- Download & installation of agent from NS (configurable from file)
- And possible suggestions from public beta testing team
- **Dependency notification(s)**
 - GTK2 is needed for NixAGUI interface display (if you have a version of Gnome desktop it is most likely installed already (need to verify), for KDE desktops – GTK2 should be available via distro repo listing)
 - LSHW is needed for detailed ‘Host Hardware Info’ display (not all Linux distros include ‘lshw’ in the basic build however, most distros provide it via distro repo listing)
 - Privileges (to display information about the agent settings and activities, access must be granted. NixAGUI must run under ‘sudo’ rights or you can utilize something like ‘PolKit’ to allow it to run on the host system. Detailed information on privileges available on request – principle of least privilege was followed in the design. Root access is NOT needed.)

NixAGUI: Public Beta Testing

- Want to participate in the public beta?
- Have an environment to test in?
- Do you have bandwidth to test and report issue(s)?
- CentOS/RHEL is ready for beta testing (Ubuntu/Kubuntu and OpenSUSE minor code changes due in a few days)
- Software (Policy) tab still under development (release date to be announced when finished)
- If interested
 - Send an email to 'nixagui.development@gmail.com' with the following information:
 - Name
 - Symantec Management Platform version
 - Linux distro(s) that the testing will be performed on and applicable number of endpoints
 - You will receive an email with instructions on:
 - Download location for binaries (and notifications of improvements and fixes as testing progresses)
 - Installation of binaries
 - You will be listed in the 'About' information on NixAGUI once public beta is finalized (if you want)

NixAGUI: Assumptions

- **Distro(s) : Works for one, works for another?**
 - Not necessarily true...
 - Testing was performed on the following:
 - CentOS (should work on RHEL, further testing is currently in progress)
 - Ubuntu/Kubuntu
 - OpenSUSE (should work on SUSE, further testing is currently in progress)

