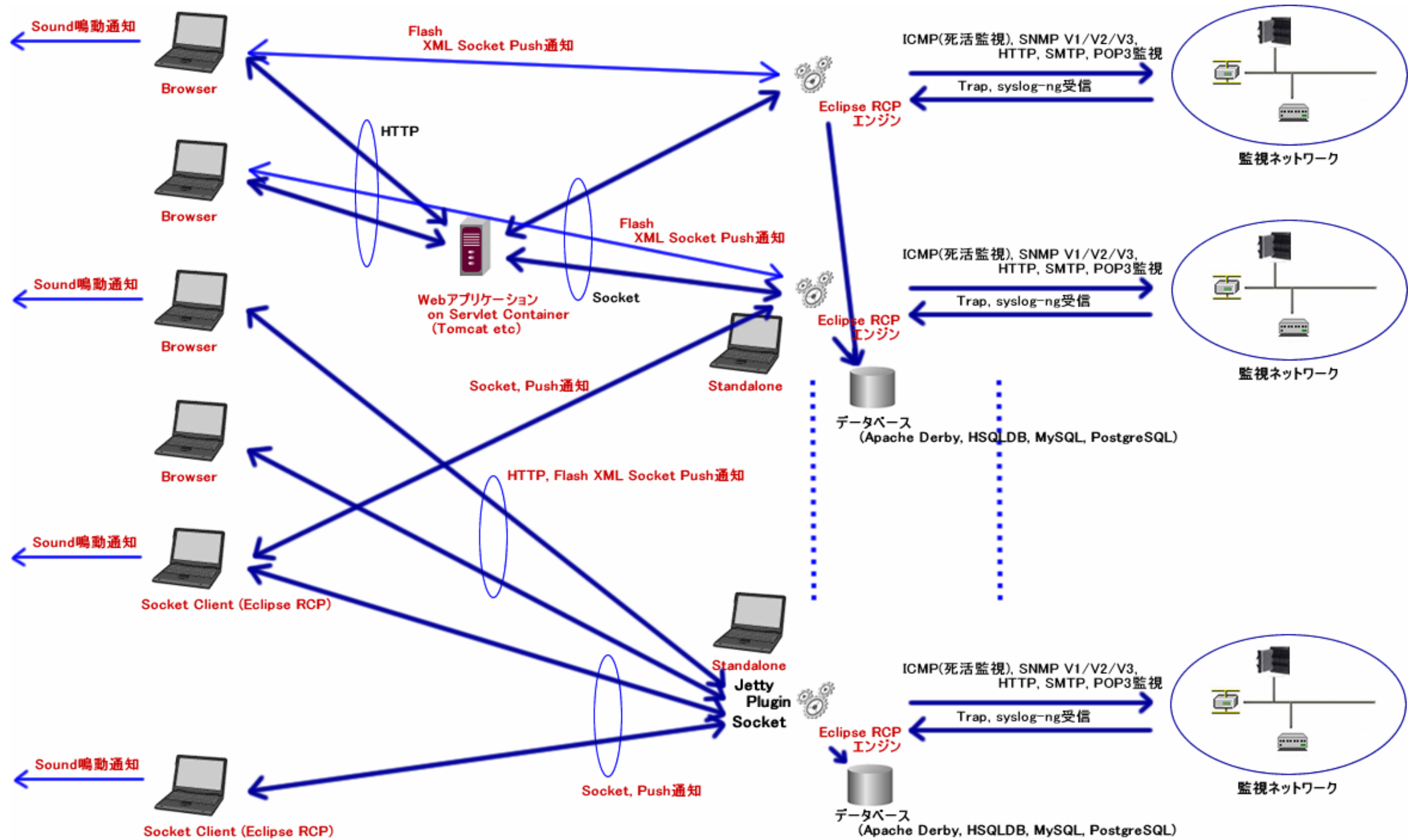


## システム上の配置及びスクリーンショット

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1. システム上の配置



## 2. スクリーンショット (ノードマネージャ ノード Map 他)

The screenshot displays the NetJFWatcher application interface, which is used for network monitoring and management. The main window is titled "Node Map" and shows a network topology with several nodes connected to a central node labeled "D1NNY71X" (IP: 192.168.0.2). Other nodes include "192.168.0.10" (IP: 192.168.0.10), "192.168.0.1" (IP: 192.168.0.1), and "FireWall" (IP: 192.168.0.3). A red text overlay indicates a trap receive event: "2006-10-04 17:07:43.0 : Trap receive : SNMPV1 Enterprise OID:1.3.6.1.4.1 Agent address:192.168.0.2 (Source=D1NNY71X) Generic trap".

Below the Node Map is the "Node List" window, which provides a table of registered nodes. The table includes columns for Node Name, Group, IP Address, Node register date, and Last check date.

N...	Node Name	Group	IP Address	Node register date	Last check date
1	D1NNY7...	Default Gro...	192.168.0.2	2006-10-04 16:58:12.0 (7min31sec)	2006-10-04 17:03:58
2	FM-608...	Default Gro...	192.168.0.4	2006-10-04 16:58:12.0 (7min31sec)	2006-10-04 17:03:59
3	192.168...	Default Gro...	192.168.0.1	2006-10-04 16:58:12.0 (7min31sec)	2006-10-04 17:04:25
4	192.168...	Default Gro...	192.168.0.10	2006-10-04 16:58:12.0 (7min31sec)	2006-10-04 17:04:48
5	Client B0	Site-B	10.0.0.1	2006-10-04 16:58:12.0 (7min31sec)	
6	Client B1	Site-B	10.0.0.2	2006-10-04 16:58:13.0 (7min30sec)	
7	Client B3	Site-B	10.0.0.3	2006-10-04 16:58:13.0 (7min30sec)	
8	FireWall	DMZ	192.168.0.3	2006-10-04 16:58:13.0 (7min30sec)	

To the right of the Node Map is a "Calendar" window showing the month of October 2006. The date 2006年 10月 4 is highlighted. Below the calendar is a "Node Tree" window showing a hierarchical view of the network structure, including "Default Group", "DMZ", and "Site-B".

At the bottom of the interface, there is a "Node List" window with a "Node Count" of 8 and a "Refresh" button. To the right of the Node List is a "Chart" window displaying a line graph for the node "192.168.0.10(192.168.0.10) OID=1.3.6.1.2.1.2.2.1.10". The chart shows two data series: a green line and a red line, plotted against time. The x-axis labels are 17:14:43, 17:06:38, 16:58:37, and 16:50:00.

3. スクリーンショット (ノードマネージャ ノードリスト他)

The screenshot displays the NetJFWatcher interface, which is used for monitoring network devices. It is divided into several sections:

- Node Tree (Left):** A hierarchical view of nodes. The 'Default Group' is expanded, showing nodes like '192.168.0.1(192.168.0.1)', '192.168.0.10(192.168.0.10)', 'D1NNY71X(192.168.0.2)', and 'FM-608A24B3DDFE(192.168.0.4)'. Other groups include 'DMZ' (FireWall) and 'Site-B' (Client B0, Client B1, Client B3).
- Node List (Top Right):** A table listing nodes with columns for No., Node Name, Group, IP Address, Node register date, Last check date, and Status.
 

No.	Node Name	Group	IP Address	Node register date	Last check date	Status
1	FM-608A24B3DD...	Default Group	192.168.0.4	2006-09-29 19:34:15...	2006-09-29 20:13:59.0	2006-09-29 19:45:25.0 : Trap receive : SNMPV1 Eenterpri
2	192.168.0.1	Default Group	192.168.0.1	2006-09-29 19:34:15...	2006-09-29 20:12:24.0	
3	D1NNY71X	Default Group	192.168.0.2	2006-09-29 19:34:15...	2006-09-29 20:12:49.0	2006-09-29 20:08:23.0 : Node System Information Change
4	192.168.0.10	Default Group	192.168.0.10	2006-09-29 19:34:15...	2006-09-29 20:12:56.0	
5	Client B0	Site-B	10.0.0.1	2006-09-29 19:34:15...		
6	Client B1	Site-B	10.0.0.2	2006-09-29 19:34:15...		
7	Client B3	Site-B	10.0.0.3	2006-09-29 19:34:15...		
8	FireWall	DMZ	192.168.0.3	2006-09-29 19:34:15...		
- Alarm View (Bottom):** A table showing a list of alarms with columns for No., Detect date, Node Name, Group, IP Address, and Message.
 

No.	Detect date	Node Name	Group	IP Address	Message
9	2006-09-29 20:08:23.0	D1NNY71X	Default Group	192.168.0.2	Node System Information Change(sysDescr= LRouter-96030A
8	2006-09-29 19:48:21.0	D1NNY71X	Default Group	192.168.0.2	Node System Information Change(sysLocation : Tokyo Chiyo
7	2006-09-29 19:47:56.0	D1NNY71X	Default Group	192.168.0.2	Trap receive : SNMPV1 Enterprise OID:1.3.6.1.4.1 Agent address:
6	2006-09-29 19:47:52.0	D1NNY71X	Default Group	192.168.0.2	Trap receive : SNMPV1 Enterprise OID:1.3.6.1.4.1 Agent address:
5	2006-09-29 19:46:21.0	D1NNY71X	Default Group	192.168.0.2	Node System Information Change(sysDescr= LRouter-96030A
4	2006-09-29 19:45:25.0	FM-608A24B3DDFE	Default Group	192.168.0.4	Trap receive : SNMPV1 Enterprise OID:1.3.6.1.4.1 Agent address:
3	2006-09-29 19:42:48.0	D1NNY71X	Default Group	192.168.0.2	Trap receive : SNMPV1 Enterprise OID:1.3.6.1.4.1 Agent address:
2	2006-09-29 19:42:44.0	D1NNY71X	Default Group	192.168.0.2	Trap receive : SNMPV1 Enterprise OID:1.3.6.1.4.1 Agent address:
1	2006-09-29 19:42:40.0	D1NNY71X	Default Group	192.168.0.2	Trap receive : SNMPV1 Enterprise OID:1.3.6.1.4.1 Agent address:

At the bottom of the window, a status bar indicates: Alarm View Error=0 Warning=3 Info=6.

4. スクリーンショット (ブラウザ ノードマネージャ ノード Map)

http://192.168.0.4:8080 - Admin NodeManager HostIP=FM\_608A24B3DDFE\_192\_168\_0\_4 - Mozilla Firefox

Disconnect 192.168.0.4 : connection complete

ALARM CONFIRM

192.168.0.2: 2006/09/29 21:01:57: Trap receive : SNMPV1 Eenterprise OID:1.3.6.1.4.1 Agent address:192.168.0.2 (Source=D1NNY71X) Ge

Scall × 100 % 100%

Select Group all

192.168.0.2: 2006/09/29 21:01:57: Trap receive : SNMPV1 Eenterprise OID:1.3.6.1.4.1 Agent address:192.168.0.2 (Source=D1NNY71X) Generic trap:coldStart Specific trap:0 Timestamp:1836096 (Oday 5hour 6min 0sec 960msec) (Source Adr.=D1NNY71X)

Alarm Count 10

< 1/1 > All Alarm Confirm

ID	Node name	IP Address	Code	Level	
10	D1NNY71X	192.168.0.2	T001	INFO	Trap receive : SNMPV1 Eenterprise OID:1.3.6.1.4.1 Agent address:192.168.0.2 (Source=D1N
9	D1NNY71X	192.168.0.2	S023	WARNING	Node System Information Change(sysDescr= LRouter-96030A -- V04.06-A07 2005.04.12A
8	D1NNY71X	192.168.0.2	S023	WARNING	Node System Information Change(sysLocation : Tokyo Chiyoda 3 Center 3F-->Tokyo Chi
7	D1NNY71X	192.168.0.2	T001	INFO	Trap receive : SNMPV1 Eenterprise OID:1.3.6.1.4.1 Agent address:192.168.0.2 (Source=D1N
6	D1NNY71X	192.168.0.2	T001	INFO	Trap receive : SNMPV1 Eenterprise OID:1.3.6.1.4.1 Agent address:192.168.0.2 (Source=D1N
5	D1NNY71X	192.168.0.2	S023	WARNING	Node System Information Change(sysDescr= LRouter-96030A -- V04.06-A07 2005.04.12

5. スクリーンショット (ブラウザ ノードマネージャ ノードリスト)

http://192.168.0.4:8080 - Admin NodeManager HostIP=FM\_608A24B3DDFE\_192\_168\_0\_4 - Mozilla Firefox

Disconnect 192.168.0.4 : connection complete

ALARM CONFIRM  300 sec

192.168.0.2: 2006/09/29 21:05:40: Trap receive : SNMPV1 Eenterprise OID:1.3.6.1.4.1 Agent address:192.168.0.2 (Source=D1NNY71X) C

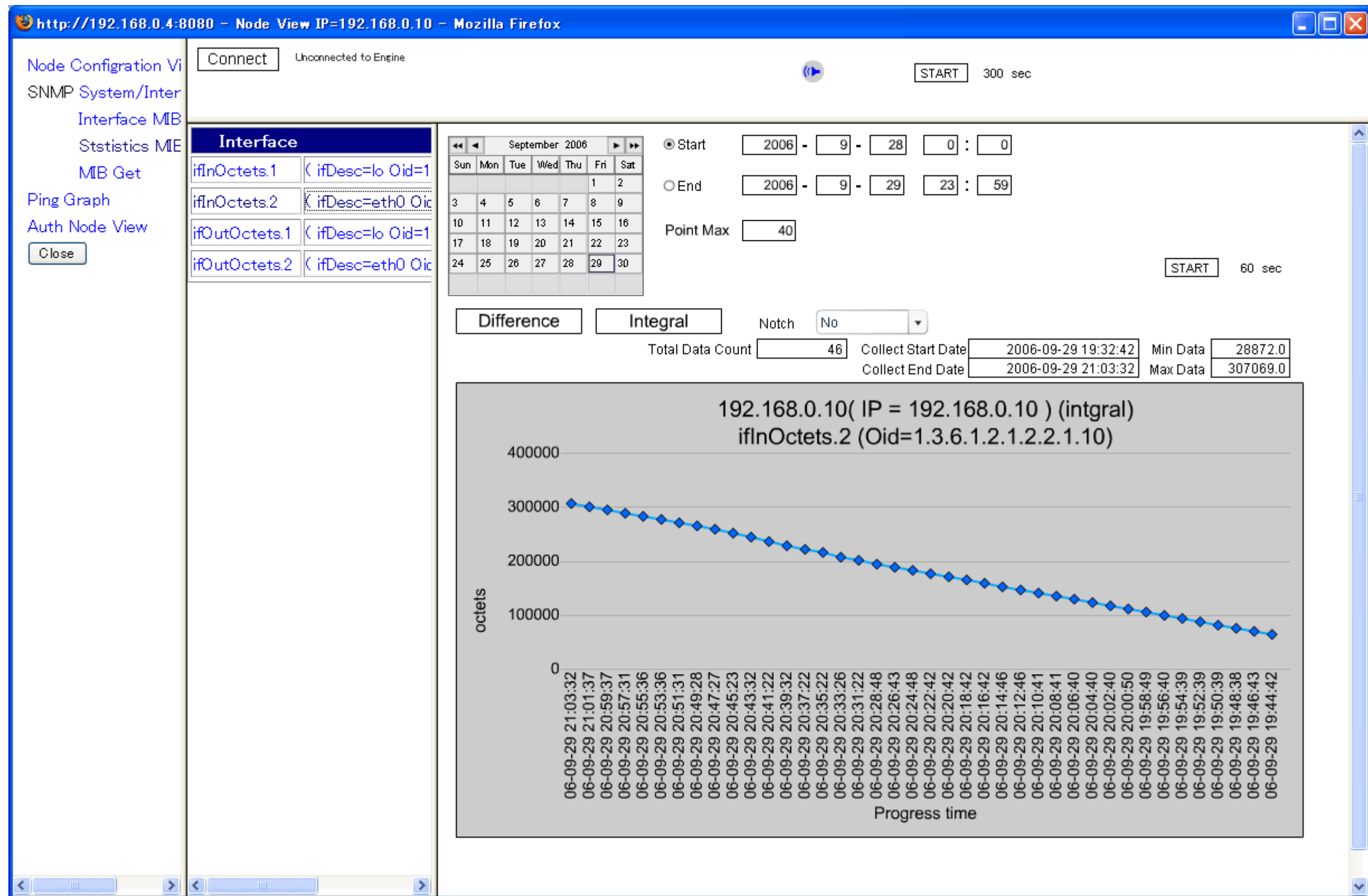
Node Count

Group	Edit/Delete	Node Name	IP Address	Period of check				
				Ping	SNMP Version	SNMP(Level)	HTTP	POP
Default Group	edit/ delete	FM-608A24B3DDFE	192.168.0.4	120	SNMPV1	-- (No SNMP)	--	--
2006-09-29 19:45:25.0 Trap receive : SNMPV1 Eenterprise OID:1.3.6.1.4.1 Agent address:192.168.0.4 (Source=FM-608A24B3DDFE) Generic trap:coldStart								
Default Group	edit/ delete	192.168.0.1	192.168.0.1	120	SNMPV1	120 (SNMP Configuration)	--	--
Default Group	edit/ delete	D1NNY71X	192.168.0.2	120	SNMPV1	120 (SNMP ifOctets)	--	--
2006-09-29 21:05:40.0 Trap receive : SNMPV1 Eenterprise OID:1.3.6.1.4.1 Agent address:192.168.0.2 (Source=D1NNY71X) Generic trap:coldStart Spec								
Default Group	edit/ delete	192.168.0.10	192.168.0.10	120	SNMPV1	120 (SNMP ifOctets)	--	--
Site-B	edit/ delete	Client B0	10.0.0.1	--	SNMPV1	-- (No SNMP)	--	--

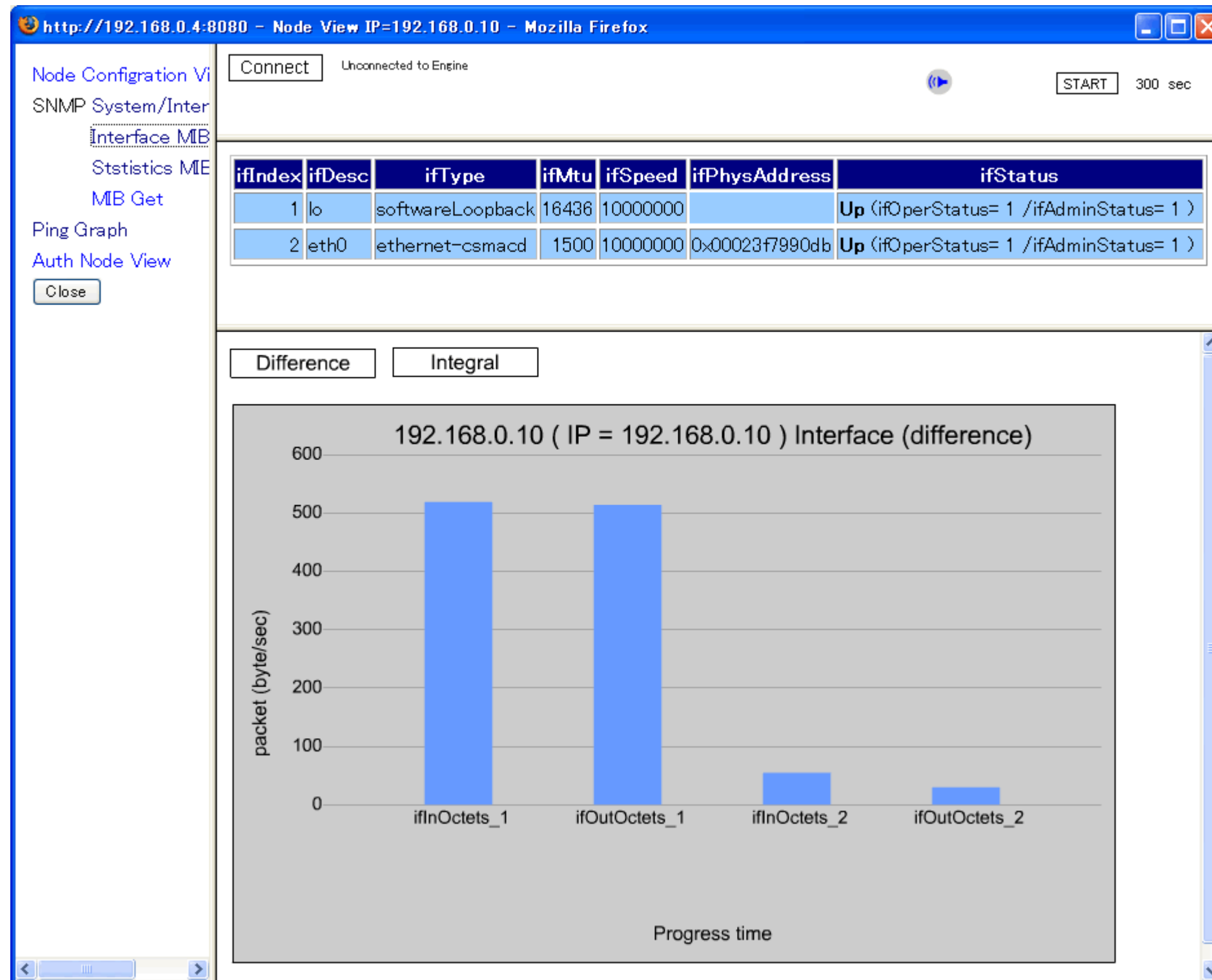
Alarm Count

ID	Node name	IP Address	Code	Level	
11	D1NNY71X	192.168.0.2	T001	INFO	Trap receive : SNMPV1 Eenterprise OID:1.3.6.1.4.1 Agent address:192.168.0.2 (Source=D1N
10	D1NNY71X	192.168.0.2	T001	INFO	Trap receive : SNMPV1 Eenterprise OID:1.3.6.1.4.1 Agent address:192.168.0.2 (Source=D1N
9	D1NNY71X	192.168.0.2	S023	WARNING	Node System Information Change(sysDescr= LRouter-96030A -- V04.06-A07 2005.04.12A
8	D1NNY71X	192.168.0.2	S023	WARNING	Node System Information Change(sysLocation : Tokyo Chiyoda 3 Center 3F-->Tokyo Chi
7	D1NNY71X	192.168.0.2	T001	INFO	Trap receive : SNMPV1 Eenterprise OID:1.3.6.1.4.1 Agent address:192.168.0.2 (Source=D1N
6	D1NNY71X	192.168.0.2	T001	INFO	Trap receive : SNMPV1 Eenterprise OID:1.3.6.1.4.1 Agent address:192.168.0.2 (Source=D1N
5	D1NNY71X	192.168.0.2	S023	WARNING	Node System Information Change(sysDescr= LRouter-96030A -- V04.06-A07 2005.04.12 -
4	FM-608A24B3DDFE	192.168.0.4	T001	INFO	Trap receive : SNMPV1 Eenterprise OID:1.3.6.1.4.1 Agent address:192.168.0.4 (Source=FM-

6. スクリーンショット (ブラウザ ノード SNMP 統計情報グラフ)



7. スクリーンショット (ブラウザ ノード インタフェース MIB グラフ)





8. スクリーンショット (SNMP ブラウザ (マネージャ))

The screenshot shows the NetJFWatcher application window. The title bar reads "NetJFWatcher" and the menu bar includes "File", "Window", "Help", "Jetty(web server)", "Mac Address", and "Alarm Sound". The main interface is divided into several panes:

- MIB Tree:** A hierarchical tree view on the left showing the structure of the MIB. The selected path is: iso(1) > org(1.3) > dod(1.3.6) > internet(1.3.6.1) > mgmt(1.3.6.1.2) > mib-2(1.3.6.1.2.1) > system(1.3.6.1.2.1.1).
- Response MIB / Trap Receive:** A table displaying the values for the selected MIB nodes. The table has columns for "OID", "Discription", "Value", "Type", and "Access".
- SNMPV1 Request:** A configuration pane at the bottom with fields for "Agent Address" (127.0.0.1), "Request OID" (1.3.6.1.2.1.1), "Access Type" (not-accessible), "Value Type" (OCTETSTRING), "Read Community" (public), and "Write Community" (private). Buttons for "GetNext", "Get", and "Set" are also present.

OID	Discription	Value	Type	Access
1.3.6.1.2.1.1.0	sysDescr.0	'LRouter-96030A' '-- V04.06-A07' 2005.04.12'	OCTETSTRING	read-only
1.3.6.1.2.1.1.2.0	sysObjectID.0	brouter A	OCTETSTRING	read-only
1.3.6.1.2.1.1.3.0	sysUpTime.0	1809313 (0day 5hour 1min 33sec 130msec)	TIMETICKS	read-only
1.3.6.1.2.1.1.4.0	sysContact.0	Open Matsumoto corp	OCTETSTRING	read-write
1.3.6.1.2.1.1.5.0	sysName.0	LRouter-96030A	OCTETSTRING	read-write
1.3.6.1.2.1.1.6.0	sysLocation.0	Tokyo Chiyoda 3 Center 3F	OCTETSTRING	read-write
1.3.6.1.2.1.1.7.0	sysServices.0	6	INTEGER	read-only

At the bottom of the window, the status bar displays: "Snmp Port=161 timeout=30000 retry=2".

9. スクリーンショット (SNMP ブラウザ (Trap 受信))

The screenshot displays the NetJFWatcher application window. The title bar reads "NetJFWatcher" and the menu bar includes "File", "Window", "Help", "Jetty(web server)", "Mac Address", and "Alarm Sound". The main interface is divided into several sections:

- MIB Tree:** A hierarchical tree view on the left showing the structure of SNMP MIBs. The path "iso(1) -> org(1.3) -> dod(1.3.6) -> internet(1.3.6.1) -> mgmt(1.3.6.1.2) -> mib-2(1.3.6.1.2.1) -> system(1.3.6.1.2.1.1)" is expanded.
- Response MIB / Trap Receive:** A table on the right showing received traps. The table has the following columns: No, Version, Enterprise, Agent Address, Generic-Trap, Specific-Trap, and Time stamp.
 

No	Version	Enterprise	Agent Address	Generic-Trap	Specific-Trap	Time stamp
6	SNMPV1	1.3.6.1.4.1	192.168.0.2 (Source=D1NNY71X)	coldStart	0	1629557 (0day 4hour 31min 35sec 5...
5	SNMPV1	1.3.6.1.4.1	192.168.0.2 (Source=D1NNY71X)	coldStart	0	1629381 (0day 4hour 31min 33sec 8...
4	SNMPV1	1.3.6.1.4.1	192.168.0.4 (Source=FM-608A24...	coldStart	0	1508637 (0day 4hour 11min 26sec 3...
3	SNMPV1	1.3.6.1.4.1	192.168.0.2 (Source=D1NNY71X)	coldStart	0	1598978 (0day 4hour 26min 29sec 7...
2	SNMPV1	1.3.6.1.4.1	192.168.0.2 (Source=D1NNY71X)	coldStart	0	1598582 (0day 4hour 26min 25sec 8...
1	SNMPV1	1.3.6.1.4.1	192.168.0.2 (Source=D1NNY71X)	coldStart	0	1598181 (0day 4hour 26min 21sec 8...
- SNMPV1 Request:** A configuration panel at the bottom with the following fields:
  - Agent Address: 127.0.0.1
  - Request OID: 1.3.6.1.2.1.1
  - Set Value: (empty)
  - Access Type: not-accessible
  - Value Type: OCTETSTRING
  - Read Community: public
  - Write Community: private
  - Buttons: GetNext, Get, Set

At the bottom of the window, a status bar indicates "Engine Trap receive status is active".

10. スクリーンショット (SNMP エージェント)

The screenshot shows the NetJFWatcher application window with the 'Snmp Agent' tab selected. The 'Agent Instance MIB' table is visible, listing various system and interface parameters. Below the table, the 'Agent Trap' configuration panel is active, showing settings for destination address, community, and trap parameters.

No.	OID Discription	OID	Value	Type
1	sysDescr.0	1.3.6.1.2.1.1.1.0	'LRouter-96030A' '-- V04.06-A07' '2005.04.12'	OctetString
2	sysObjectID.0	1.3.6.1.2.1.1.2.0	brouter A	ObjectID
3	sysUpTime.0	1.3.6.1.2.1.1.3.0	1506675 (0day 4hour 11min 6sec 750msec)	TimeTicks
4	sysContact.0	1.3.6.1.2.1.1.4.0	Open Matsumoto corp	OctetString
5	sysName.0	1.3.6.1.2.1.1.5.0	LRouter-96030A	OctetString
6	sysLocation.0	1.3.6.1.2.1.1.6.0	Tokyo Chiyoda 3 Center 3F	OctetString
7	sysServices.0	1.3.6.1.2.1.1.7.0	6	INTEGER
8	ifNumber.0	1.3.6.1.2.1.2.1.0	9	INTEGER
9	ifIndex.1	1.3.6.1.2.1.2.2.1.1.1	1	INTEGER
10	ifIndex.3	1.3.6.1.2.1.2.2.1.1.3	3	INTEGER
11	ifIndex.4	1.3.6.1.2.1.2.2.1.1.4	4	INTEGER
12	ifIndex.7	1.3.6.1.2.1.2.2.1.1.7	7	INTEGER
13	ifIndex.9	1.3.6.1.2.1.2.2.1.1.9	9	INTEGER

**Agent Trap Configuration:**

- Destination Address: 192.168.0.4
- Community: public
- Enterprise OID: 1.3.6.1.4.1
- SnmpTrapOID: 1.3.6.1.6.3.1.1.4.1.0
- Agent IP Address: 192.168.0.4
- Additional variable OID: 1.3.6.1.2.1.2.2.1.1.1
- Value for additional variable: 1
- Generic-trap: coldStart (0)
- Specific-trap: 0
- SNMP Ver.1
- ifIndex.1 (1.3.6.1.2.1.2.2.1.1.1)
- INTEGER
- Trap send: Send Trap Count: 1
- Send Trap Repeat Count: 1

Agent thread status is active