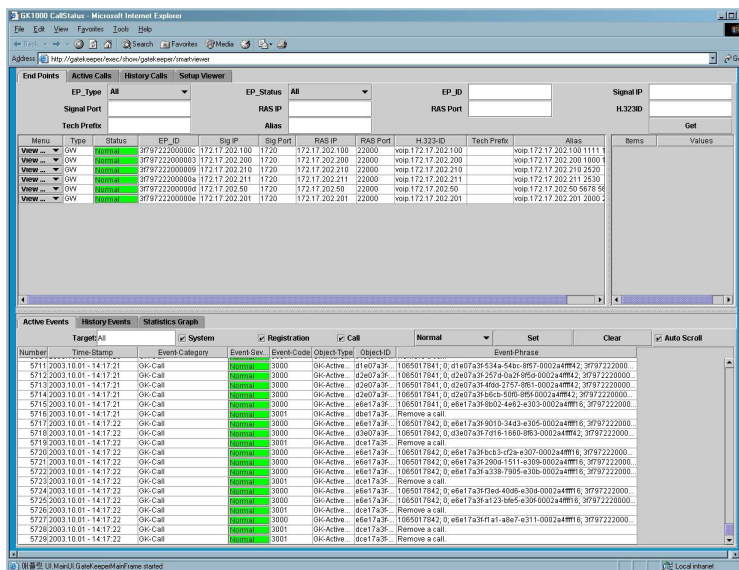# SmartViewer Installation Guide
For VoiceFinder GateKeeper

Release 1.00

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Chapter 1. SmartViewer Overview

Introduction to SmartViewer for GateKeeper

AddPac SmartViewer software is developed for the easy monitoring of gateways registered at the GateKeeper and call status.   Also, this program is based on web-based Java Applet.   So any client system with Java Virtual Machine can be access to the SmartViewer.

Main Features

1. **Endpoint registration, real-time monitoring of call status and active events**

   With SmartViewers, Gateways can be registered at the GateKeeper.   Also, it offers real-time monitoring feature of the call status and active events between endpoints.

2. **Offers statistical information of the endpoints' status and active calls**

   SmartViewer displays statistical information of the endpoints (Gateway, Terminal, MCU) and of the active calls.

3. **Easy-to-use Graphic User Interface**

   By deploying windows-based Graphic User Interface, the users can easily operate the program (SmartViewer).

4. **Web-based management function**

   Web-based management, not complicated CLI (Command Line Interface) management, of the GateKeeper is possible.

5. **Easy search function of VoIP gateway's call history and events**

   Call history and events can be searched with various search terms.

6. **Sort function**

   The results displayed on the monitor can be sorted with various terms.

7. **Easy search by one click**

   With one click, the user can search desired items easily.

System Requirement for GateKeeper SmartViewer

Hardware

CPU	Intel Pentium III or higher system
MEMORY	128MB or more
Hard Disk	10GB or more

Software

	MS Windows 2000 / XP / Server 2003
Operating System	Java 2 Runtime Environment SE v1.4.2
	Web browser such as Microsoft Internet Explorer

Chapter 2.   Access to SmartViewer
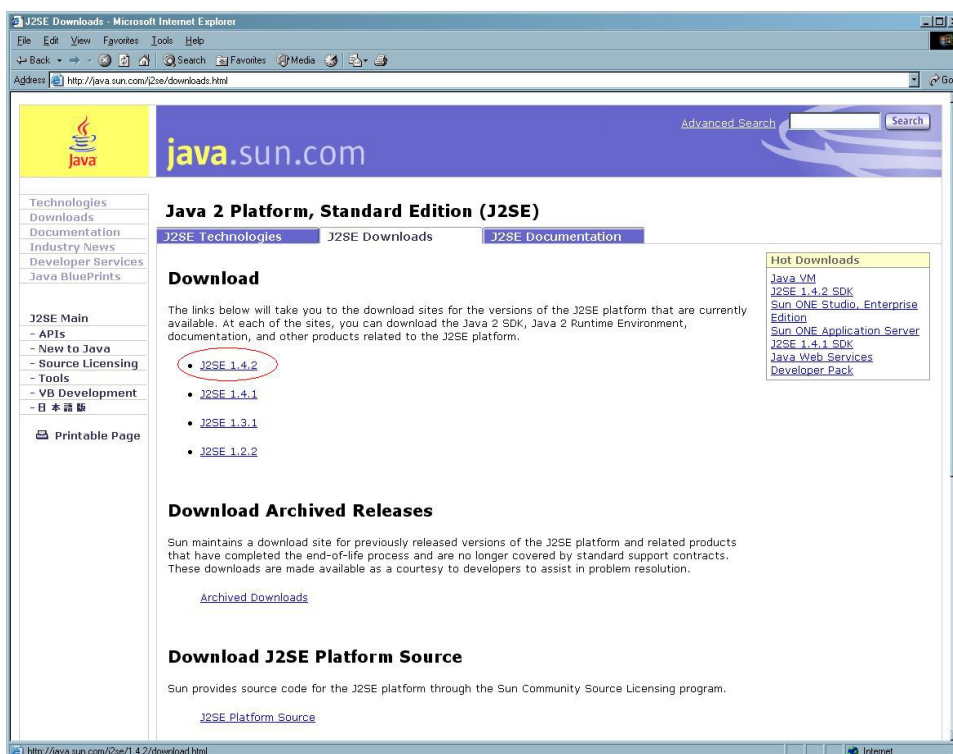
Java 2 Runtime Environment v1.4.2 Download

To access to GateKeeper SmartViewer, Java Virtual Machine is required to execute Java applet on web browser.   SUN distributes Java Virtual Machine with the name of J2RE (Java 2 Runtime Environment).

The J2RE version used this guide is J2RE v1.4.2, the latest version.   Visit " http://java.sun.com/j2se/downloads.html" and download the program.

* J2SE is "Java 2 Platform Standard Edition". one of the J2RE.

Step 1

Select "J2SE 1.4.2" as shown below.

Step 2

Select 'J2SE Windows".
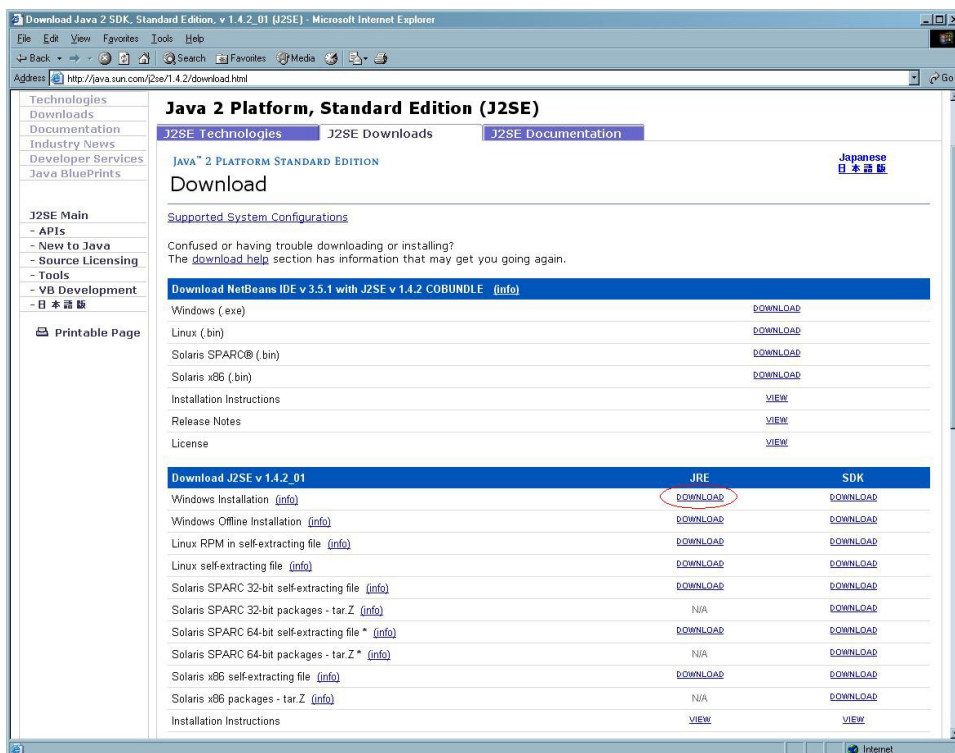
Step 3

Carefully review "Terms and conditions of the license~" and select "agree".
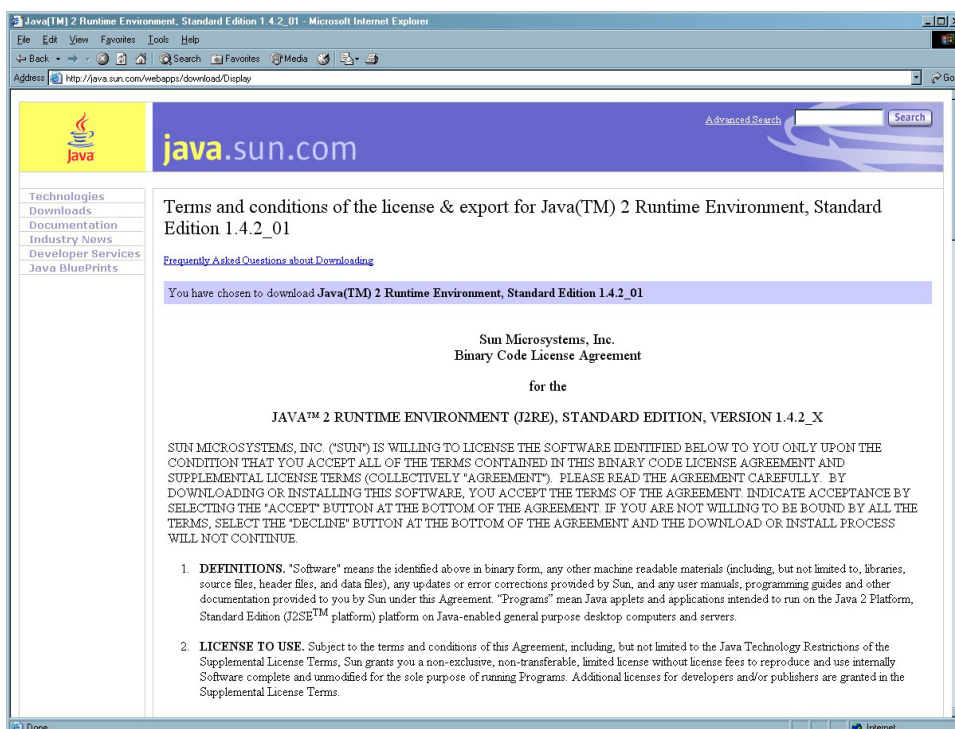
Step 4

Download "Java 2 Runtime Environment, Standard Edition v1.4.2_01".
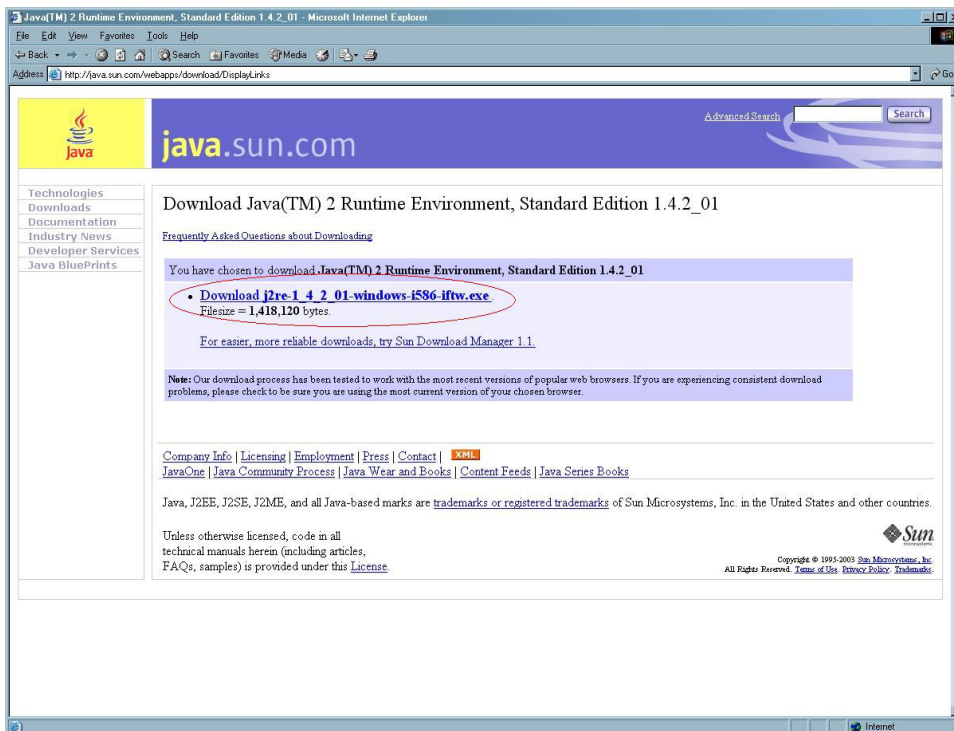
Step 5

"File Download" dialog box appears.   Click "Save" to save it to the PC.
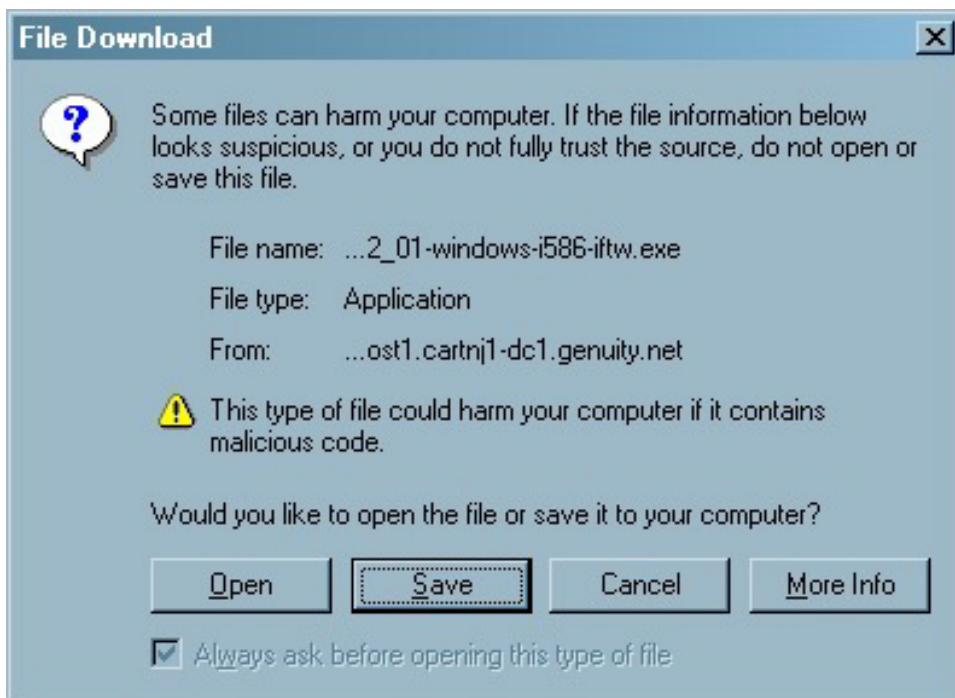
Step 6

Then the program is downloaded.
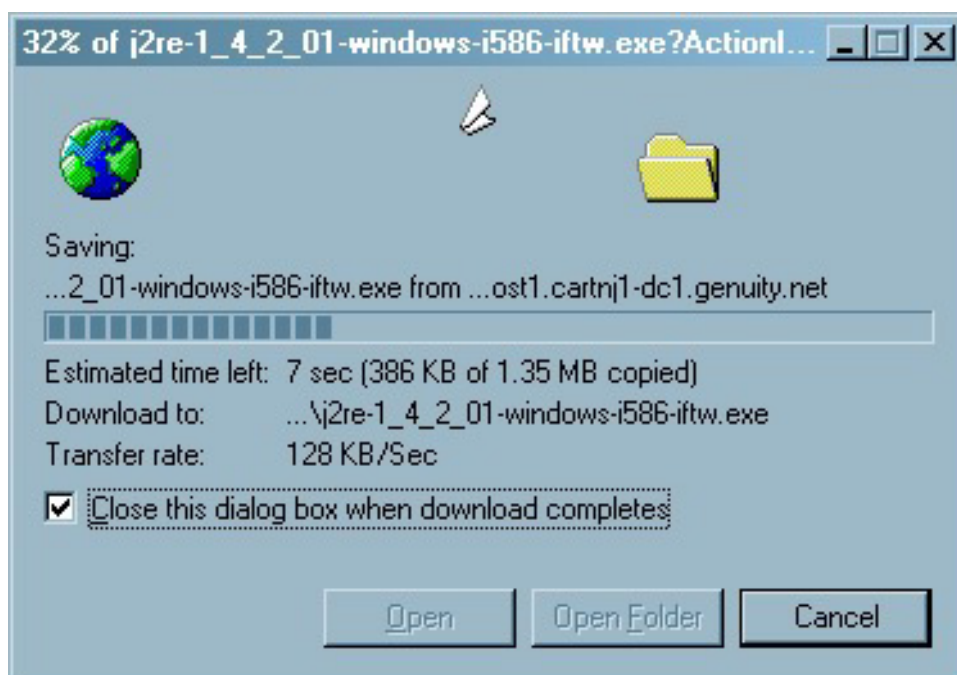
Java 2 Runtime Environment v1.4.2 Installation

This part explains how to install "J2RE v 1.4.2" file.

Step 1

Execute "j2re-1_4_2_01-windows-i586-iftw.exe" file.   Then the License Agreement appears.   Review it carefully and select "I accept~".   Then click "Next>" button to proceed.

Step 2

Select "Setup Type" and click "Next>" button.
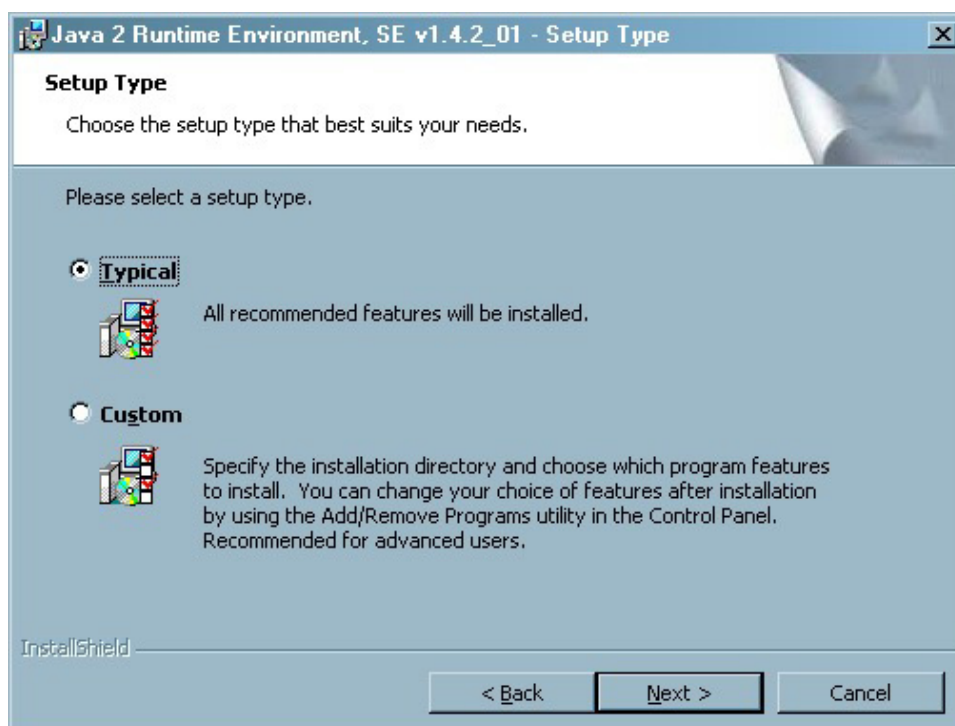
Step 3

The program is being installed.
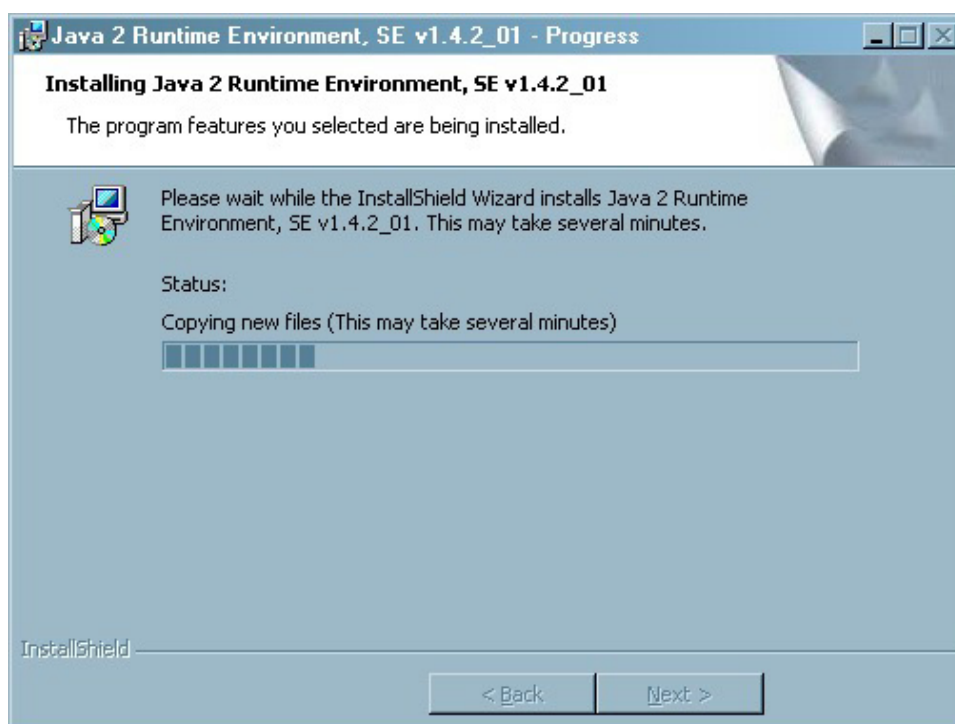
Step 4

> **Click "Finish" to exit the wizard.**
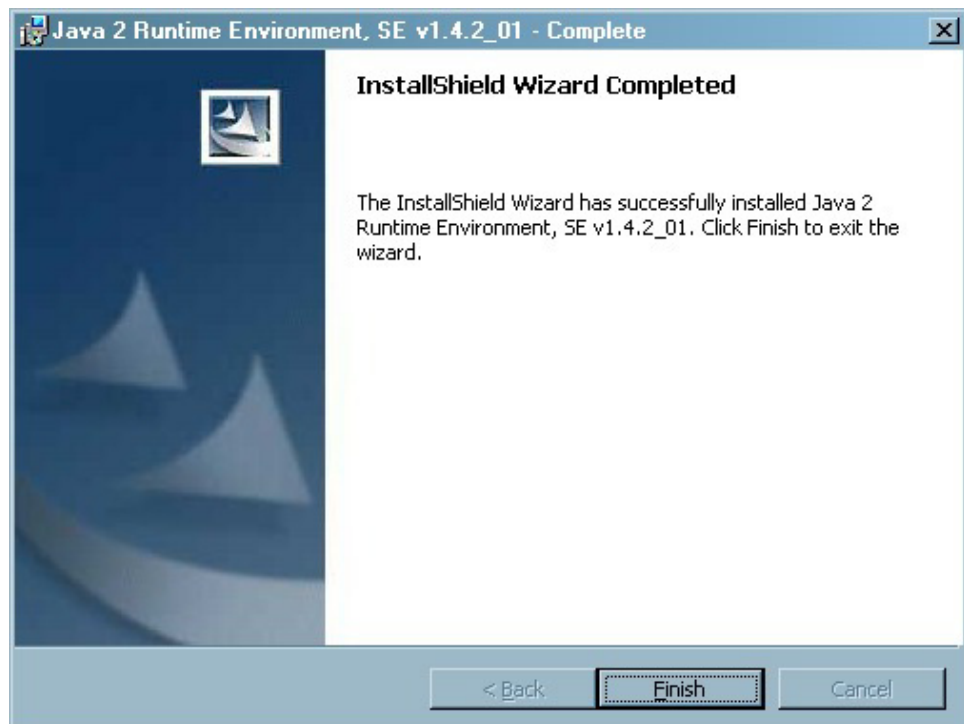
Java 2 Runtime Environment Security Setting

To GateKeeper, the security configuration of the system should be changed. This guide is based on " MS-Windows 2000 Professional".
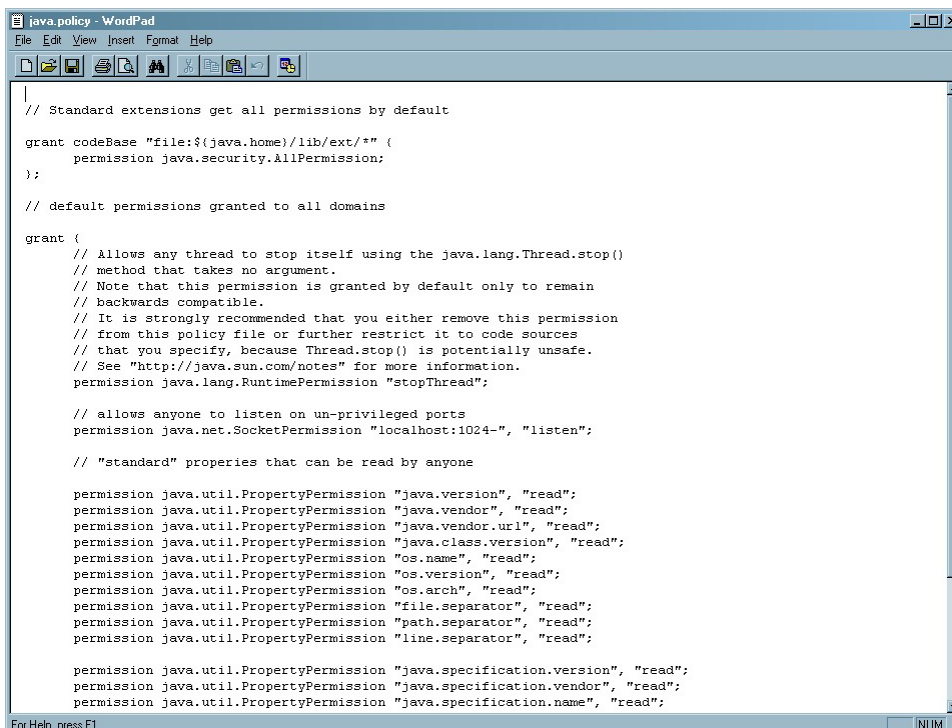
Step 1

Open "C:\Program Files\Java\j2re1.4.2_01\lib\security".   This directory can be variable depending on each user's system.
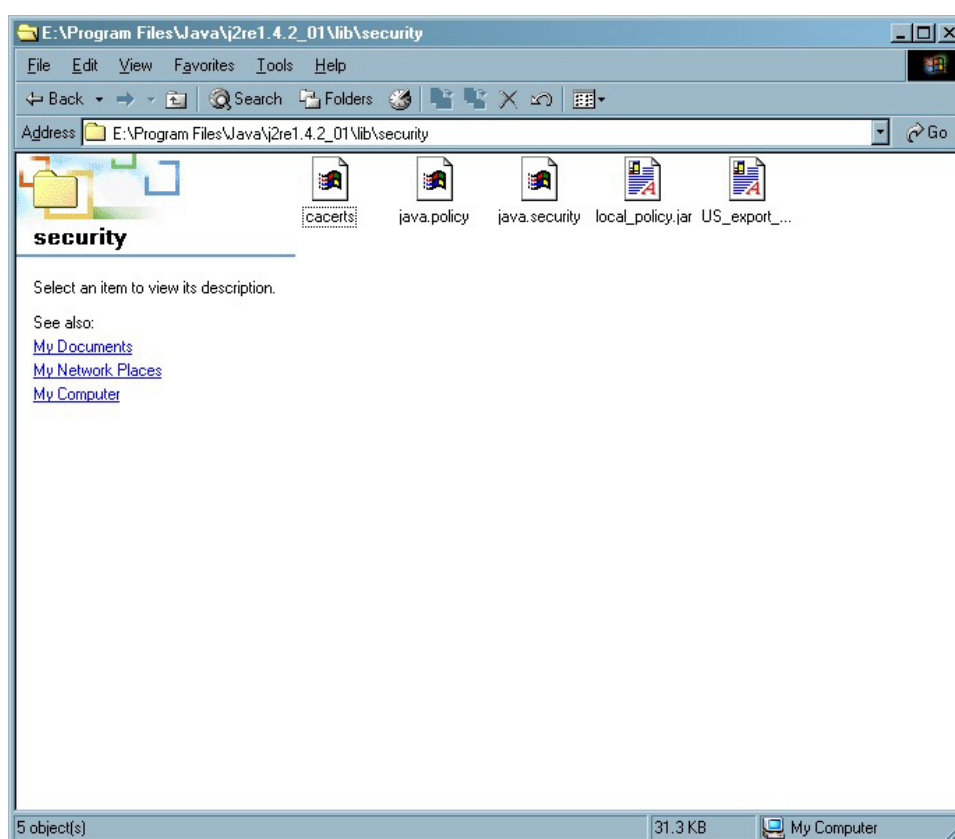
Step 2

Open "Java.policy" file with Windows's Word Pad.

Step 3

3) Add "**permission java.net.SocketPermission "*:9090 [1] ", "listen, accept, connect, resolve";**" as shown below.

---

[1] Open only "9090" port for security.

Step 4

> **Save the file and copy "java.policy" file to the user account.   If the logged in user is "Administrator", copy the file to "C:\Documents and Settings\Administrator".   Also, rename the copied "java.policy" file as ".java.policy".**
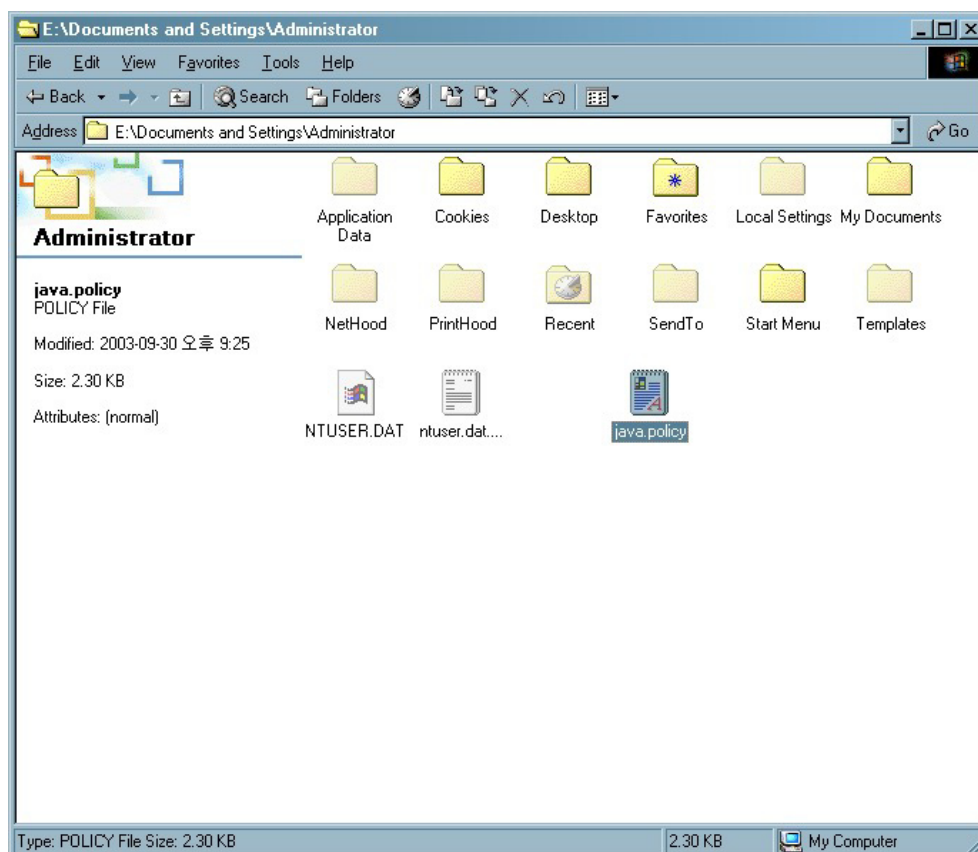
GateKeeper SmartViewer Access

Access to the GateKeeper SmartViewer.   This guide is based on Microsoft Internet Explorer.
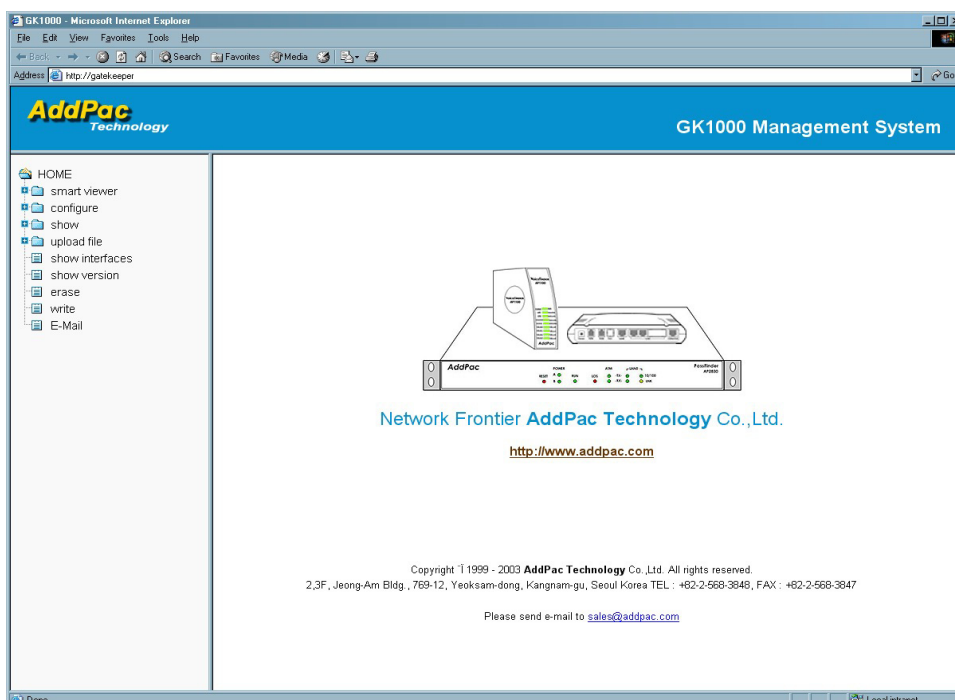
Step 1

Enter the IP address of the GateKeeper at the address bar of the Windows. Then the below dialog box appears.
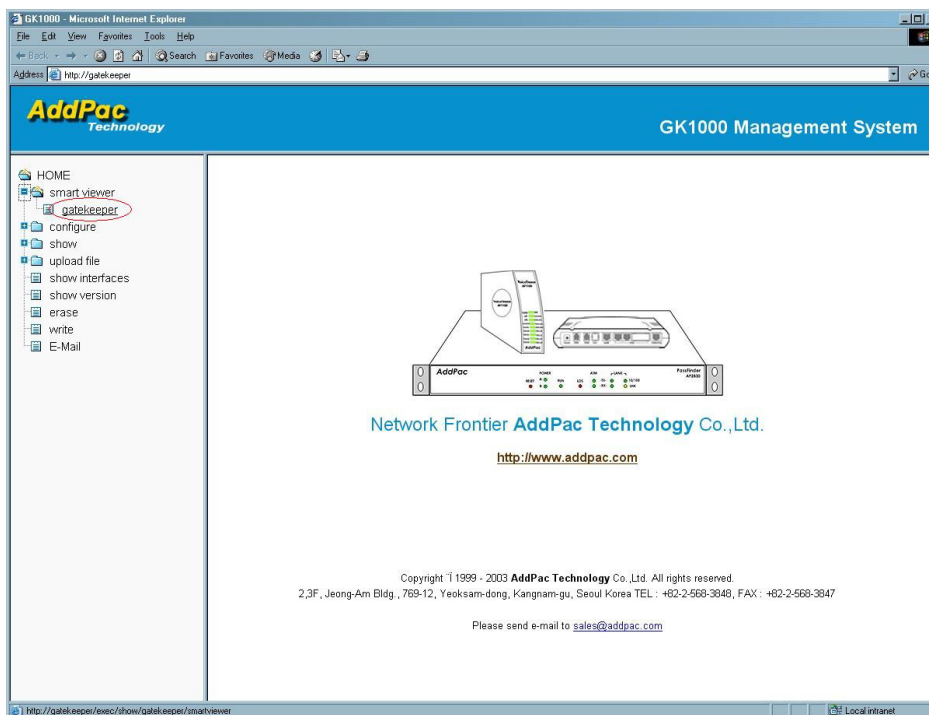

Step 2

Enter User Name (root) and Password (router).   Then the below window appears.
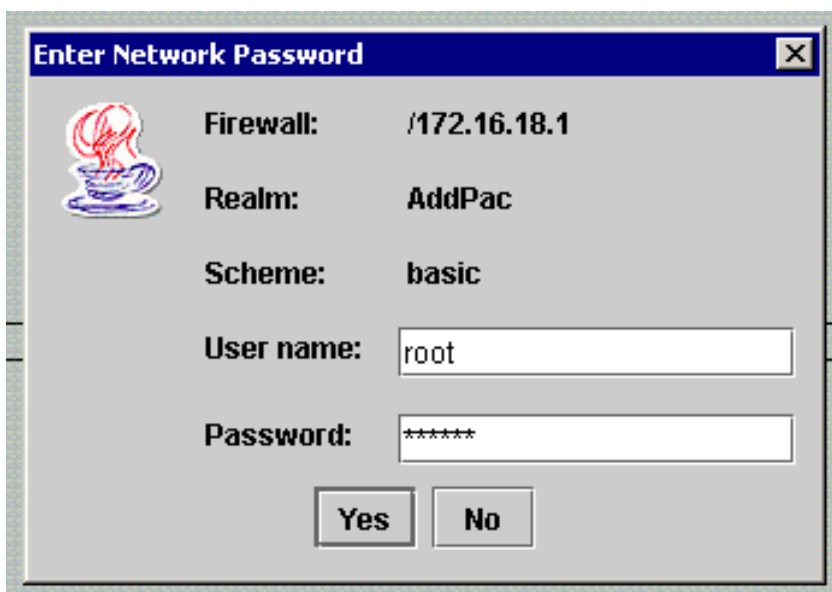
Step 3

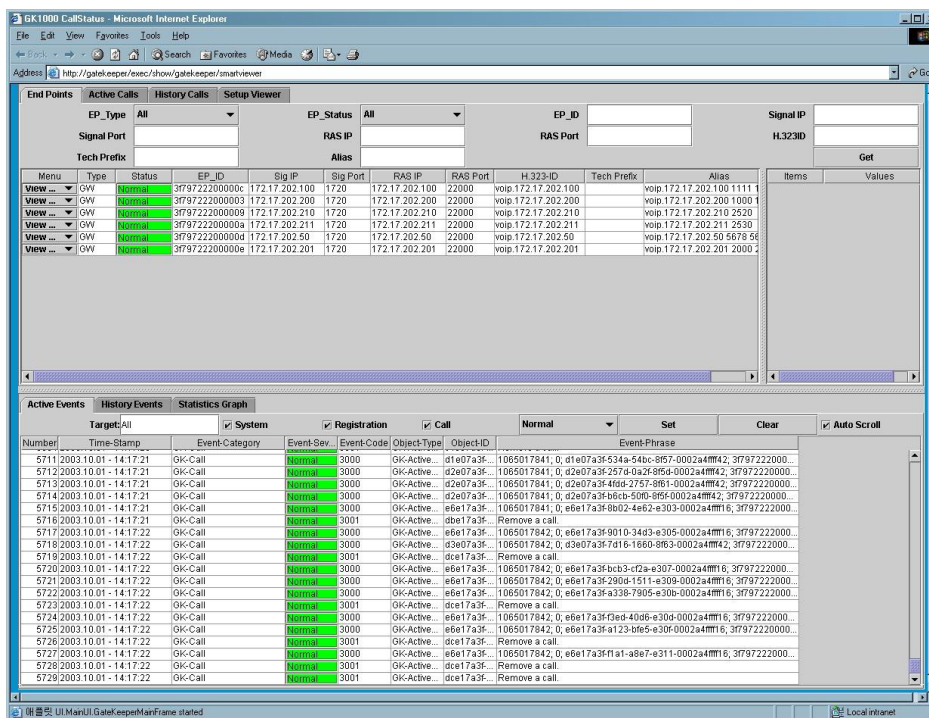> ### Click "SmartViewer" → "GateKeeper".

Step 4

> After the Java Applet loading, the below login dialog box appears.
> Enter the User Name and Password.   (Use the same User Name and
> Password explained at 1).)

Step 5

The main page of SmartViewer is displayed.

Chapter 3. SmartViewer Menus

This chapter explains the menus of SmartViewer and examples.

End Points

End Point shows currently registered devices at the GateKeeper.

End Point includes Gateway, Terminal, other GateKeeper, MCU (Multi-point Control Unit, used for conference).
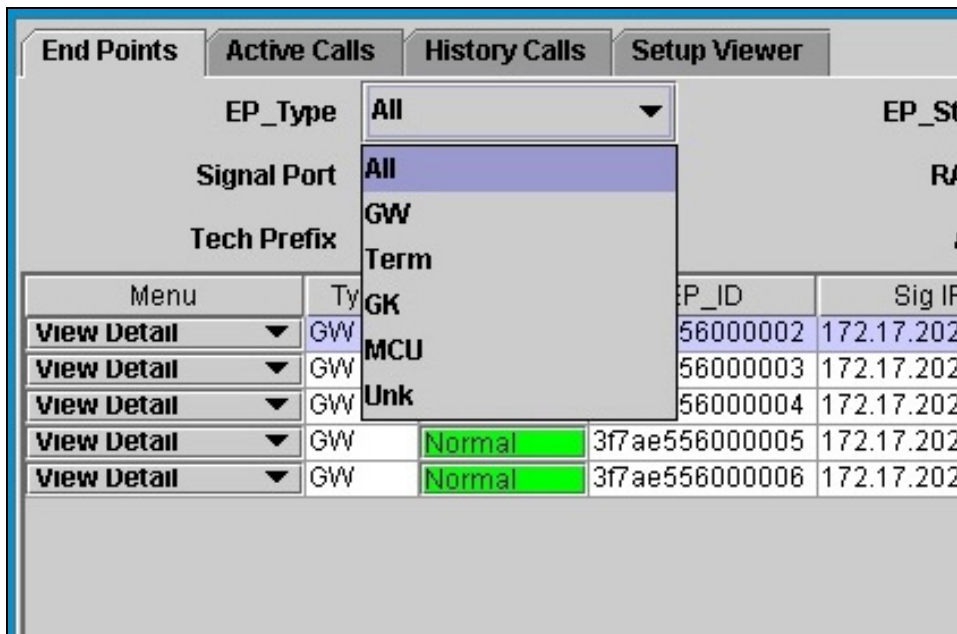
The user can change the layout of menus and view only desired information with specific search terms.

Search terms (number of terms can be selected)

- EP_Type (End Point Type): Select End point type.

All	Select all devices.
GW	Select Gateway.
Term	Select Terminal.
GK	Select GateKeeper. When interoperating with other GKs, both can register each other.
MCU	Multipoint Control Unit.
Unk	Unknown devices other then above mentioned devices.

- EP_Status (End Point Status) : Search by the status of the Endpoints. There are four status of "All, Normal, Warning, Abnormal". "All" means all the status, "Normal" means normal mode. "Warning" and "Abnormal" means there is a problem between the GateKeeper and the End Point.

- EP_ID(End Point ID) : Specific End Point ID. "ID" means a code assigned by the GateKeeper when registering a device.

- Signal IP : Select a specific Signal IP address. Typically, it indicates VoIP interface IP address of the device.

- Signal Port : Select a specific Signal Port. It indicates TCP/IP port of VoIP system. Typically, "1720" is used for the signal port.

- RAS IP : RAS (Registration and Admission, Status) IP address. It is the IP address when the device is registered at the GateKeeper. Typically, this IP address is same as the Signal IP address

- RAS Port : Select RAS Port. The default is "22000".

- H.323ID: Select H323-ID. The user can use H.323 ID to view information of the Gateway.

- Tech Prefix : Select a Tech Prefix. When Prefix is assigned for Destination pattern of Called Party or Calling Party, the related

information is displayed.

- Alias: "Alias" means the gateway registered at the GateKeeper and E.164 number of the Gateway.

Status information

- Menu
  - ✓ View Detail – Show the detailed information of the selected device.
  - ✓ View All Active Call – Show the all active calls related the selected device on the Active Calls tab.
  - ✓ View Inbound Call – Show the Inbound call information of the selected device.
  - ✓ View Outbound Call – Show the Outbound call information of the selected device.
  - ✓ View Call History –Show the Call History related the selected device on the Call History tab.
  - ✓ View Events – Show the all events of the selected device on the window below.
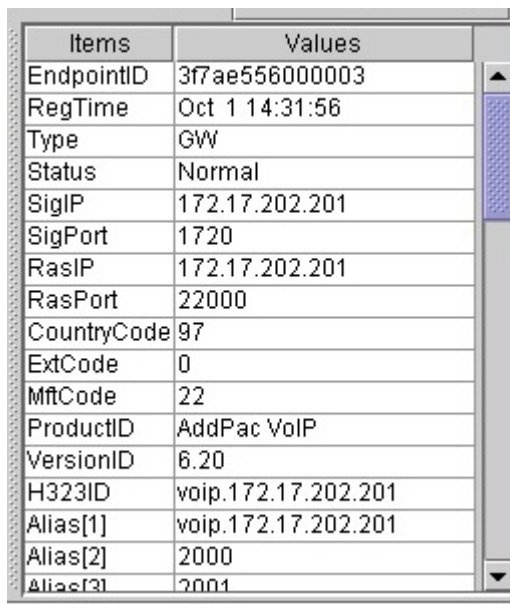
Menu	Type	Status	EP_ID	
View Detail ▼	GW	Normal	3f797222 00000c	1
View Detail	GW	Normal	3f797222 000003	1
View All Active Call	GW	Normal	3f797222 000009	1
View Inbound Call	GW	Normal	3f797222 00000a	1
View Outbound Call	GW	Normal	3f797222 00000d	1
View Call History	GW	Normal	3f797222 00000e	1
View Events				

Tech Prefix

- Type: It shows the type of the device registered at the GateKeeper. The supported types are GW(Gateway), Term(Terminal), MCU(Multipoint Control Unit), GK(GateKeeper) and Unk(Unknown).

- Status : The status of the registered device is shows as "Normal, Warning, Abnormal".

- Sig IP : Signal IP address. The VoIP Signal IP address of the registered device.   Typically, it indicates VoIP interface IP address of the device

- Sig Port :   Signal Port.   The Signal Port of the VoIP Interface. Typically, it is "1720".

- RAS IP : RAS(Registration and Admission, Status) IP address. The IP address of the device used for communication with the GateKeeper.

- RAS Port : RAS Port. The TCP/IP port used for communication with the GateKeeper.

- EP_ID : End Point ID of the device (EP_ID is assigned randomly when the device is registered at the GateKeeper.)

- H.323-ID : H323-ID. The ID of the device registered at the GateKeeper.

- Tech Prefix : Show the Prefix of the E.164 Number

- Alias : The End point type and E.164 number of Gateway.

View Detail

When View Detail is selected, the detailed information of the device is displayed at the detail window on the right side.

Items	Values
EndpointID	3f7ae556000003
RegTime	Oct 1 14:31:56
Type	GW
Status	Normal
SigIP	172.17.202.201
SigPort	1720
RasIP	172.17.202.201
RasPort	22000
CountryCode	97
ExtCode	0
MftCode	22
ProductID	AddPac VoIP
VersionID	6.20
H323ID	voip.172.17.202.201
Alias[1]	voip.172.17.202.201
Alias[2]	2000
Alias[3]	2001

View All Active Call

When "View All Active Call" under Menu is selected, the active call information of the selected Gateway is displayed on the Active Call table.

Step 1

Select "View All Active Call" from "Menu".

Step 2

It moves to "Active Calls' Tab and displays all the related information.

View Inbound Call

When "View Inbound Call" under Menu is selected, the Inbound call information of the selected Gateway is displayed on the Active Calls tab.

Step 1

Select "View Inbound Call"

Step 2

1) It moves to "Active Calls" Tab and displays all the related information.

View Outbound Call

When "View Outbound Call" under Menu is selected, the Outbound call information of the selected Gateway is displayed on the Active Calls tab.

Step 1

Select "View Inbound Call"

Step 2

It moves to "Active Calls" Tab and displays all the related information.

View Call History

When "View Call History" under Menu is selected, the call history information of the selected Gateway is displayed on the History Calls tab.

Step 1

Select "View Call History"

Step 2

It moves to "Active Calls" Tab and displays all the related information.

View Events

**When "View Events" under Menu is selected, the events information
of the selected Gateway is displayed on the History Events tab.**

Active Calls

It shows the active calls information establish via the GateKeeper. Like End Points, the information can be selected with various search terms.

Search terms (multiple search terms selectable)

- Start Time From / Start Time To : Search based on call setup time. Double click the box, then the below select window appears for easy time setting.

- Duration From / Duration To : Search based on call duration time. (unit; Seconds).

- Call ID : Search based on the call ID assigned by the GateKeeper.

- SRC EP_IP : Search based on the calling party's IP address.

- SRC E164 : Search based on the calling party's E.164 number.

- SRC EP_ID : Search based on the calling party's ID.

- DST EP_IP : Search based on the called party's IP address.

- DST E164 : Search based on the call's party's E.164 number.

- DST EP_ID : Search based on the call's party's ID.

Status information

- Menu :
  - ✓ View Detail – Show the detailed information of the selected Active Call at the Detail Window.

  - ✓ View Src End Point – Show the detailed information on the Source End Point of the selected Active Call at the Detail Window.

  - ✓ View Dest End Point – Show the detailed information on the Destination End Point of the selected Active Call at the Detail Window.

  - ✓ Get Call State From Src End Point – Get the Call State from Source End Point.

  - ✓ Get Call State From Dest End Point – Get the Call State from Destination End Point.

  - ✓ Go to Src End Point – Move to the Source End Point of the selected active call.

  - ✓ Go to Dest End Point – Move to the Destination End Point of the selected active call.

- Start Time : Shows the starting time of the H.323 Call.

- Duration(sec) : Show the duration time of the H.323 Call.   Refreshed at every 5 sec.

- SRC-EP-IP : Displays the calling party's IP address.

- SRC-E.164 : Displays the calling party's E.164 number.

- SRC-EP-ID : Displays the calling party's ID.

- DST-EP-IP : Displays the called party's IP address.

- DST-E.164 : Displays the called party's E.164 number.

- DST-EP-ID : Displays the called party's ID.

- Call ID : Displays the Call ID assigned by the GateKeeper.

Detail Window

When "View Detail, View Src End Point, View Dest End Point" are selected at the menu, the detailed information is displayed at the window.

Items	Values
EndpointID	3f7ae556000002
RegTime	Oct 1 14:31:54
Type	GW
Status	Normal
SigIP	172.17.202.200
SigPort	1720
RasIP	172.17.202.200
RasPort	22000
CountryCode	97
ExtCode	0
MftCode	22
ProductID	AddPac VoIP
VersionID	6.20
H323ID	voip.172.17.202.200
Alias[1]	voip.172.17.202.200
Alias[2]	1000
Alias[3]	1001

History Calls

It displays the call history information saved at the GateKeeper.
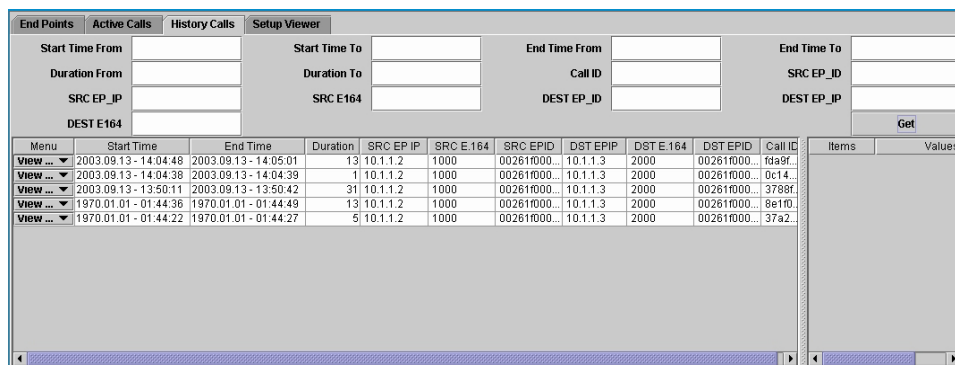
Search terms (Multiple search terms are selectable)

- Start Time From / Start Time To/ End Time From/ End Time To : Search based on call setup time an call ending time. Double click the box, then the below select window appears for easy time setting.
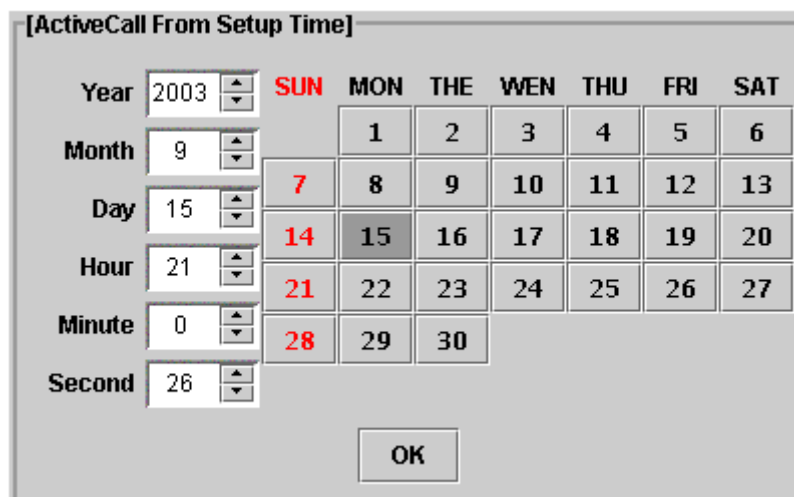
- Duration From / Duration To : Search based on call duration time.

- Call ID : Search based on the call ID assigned by the GateKeeper.

- SRC EP_ID : Search based on the calling party's ID.

- SRC EP_IP : Search based on the calling party's IP address.

- SRC E164 : Search based on the calling party's E.164 number.

- DST EP_ID : Search based on the call's party's ID.

- DST EP_IP : Search based on the called party's IP address.

- DST E164 : Search based on the call's party's E.164 number.

Status information

- View Src End Point Info– Show the detailed information on the Source End Point at the Detail Window.

- View Dst End Point Info : Show the detailed information of the Destination End Point at the Detail Window.

- Go to Src End Point : Move to Source End Point of the End Points Tab to see the calling party's information.
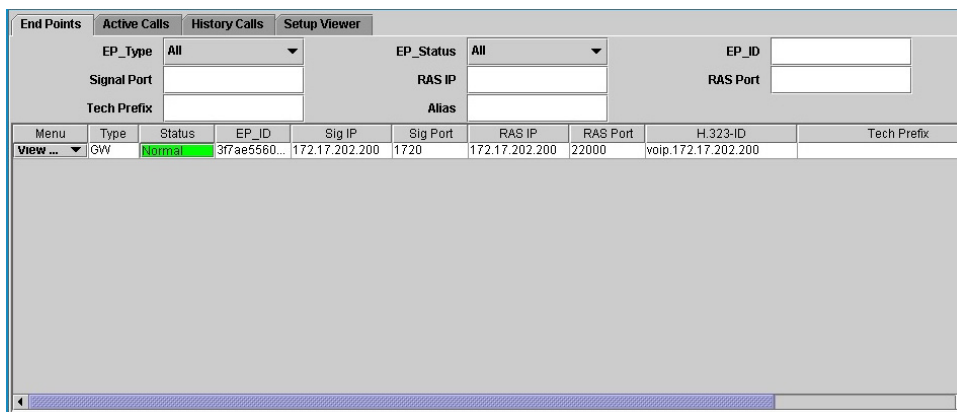
- Go to Dst End Point : Move to the Destination End Point of the End Points Tab to see the called party's information.
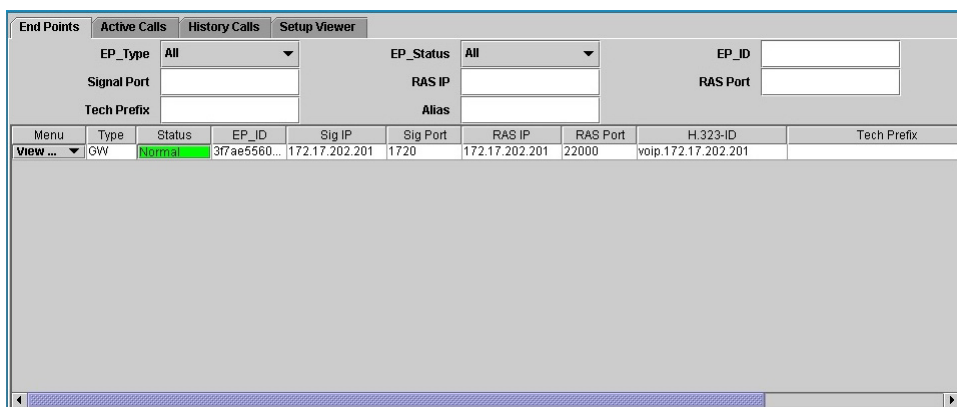
Setup Viewer

To change the display layout of GateKeeper SmartViewer. The users can use "+/-" button and resolution selection button to select the desired size.
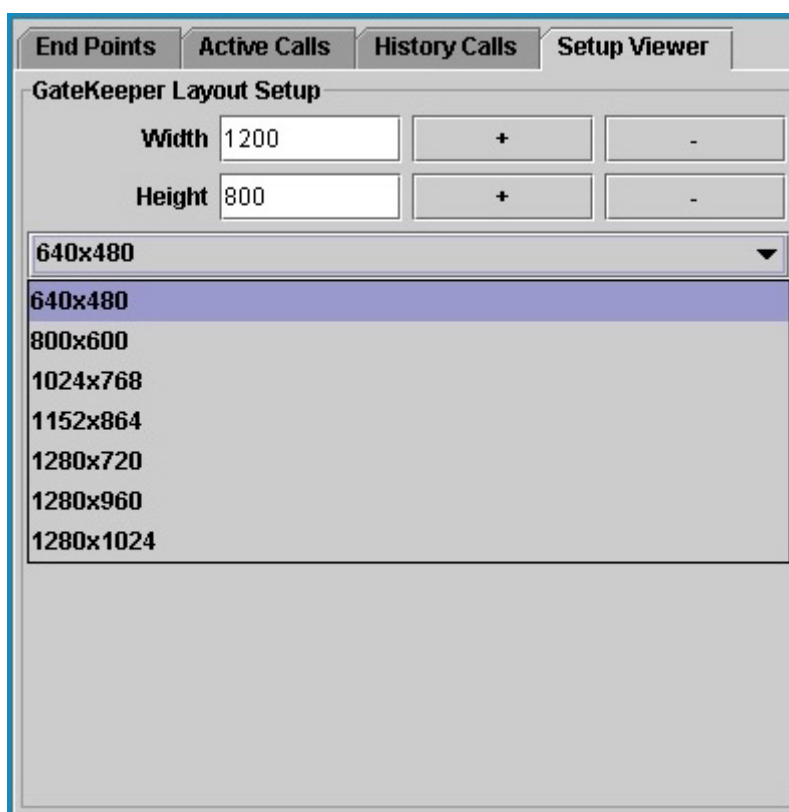
Active Events

It shows all the event information related to the GateKeeper.   Also, with search terms, only desired information can be displayed.

Search terms (Multiple search terms are selectable)

- Target : Select one from "All, GW(Gateway), Term(Terminal), MCU(Multipoint Control Unit), GK(GateKeeper)".   Only the event information of the selected devices is displayed.

- System : Only shows event information related to the GateKeeper.

- Registration : Only shows event information related to the registration of the Gateways to the GateKeeper.

- Call : Only show the event information related to H.323 Call.

- Severity : Displays the severity of the events.   When a specific level is selected, only events of the level and higher level are displayed. "Normal" means normal operation and other severity levels indicate abnormal operation.

- Set : Click to show the events complying with the search terms.

- Clear: Remove all the information on the current events window. (Not related to the information at the GateKeeper's memory).

- Auto scroll : When this feature is turned off, it only shows new events when the user moves the scroll bar of the window.

Status information

- Notification ID : The ID numbers of the Events according to their starting time.

- Time-Stamp : The time when the event is occurred.

- Event-Category : The category of the events.

- Event-Severity : Indicates the severity of the events. (Normal, Warning, Minor, Major, Critical). Each level is marked with a different color.

- Event-Code : Displays the code of the Event-Category.

- Object-type : Displays the Object Type. The type of the device which the event is occurred.

- Object-ID : Displays the Object-ID. The ID is assigned by the GateKeeper randomly.

- Event-Phrase : Displays the detailed information of the Event.

Event-Code

The bellows are the description of the Event-Codes.

Event Codes	Description
1000	The system is rebooting now.
1001	The system has been reset.
1002	The GateKeeper service is started.
1003	The GateKeeper is shutting down by the operator.
1004	The GateKeeper service is terminated.
1005	APM_TransportOpen
1006	APM_TransportClose
1007	APM_LoginFail
2000	Create an End Point.
2001	Remove an End Point.
2002	PeriodicRegistration. Indicated the periodical registration of the Gateway.
2003	TTL expired. The TTL value of the packet for the GateKeeper re-registration is exceed the limit.
2100	RegistrationRejectBy_DiscoveryRequired
2101	RegistrationR jectBy_InvalidRevision.
2102	RegistrationRejectBy_InvalidCallSignalAddress
2103	RegistrationRejectBy_InvalidRASAddress
2104	RegistrationRejectBy_DuplicateAlias
2105	RegistrationRejectBy_InvalidTerminalType
2106	RegistrationRejectBy_UndefinedReason
2107	RegistrationRejectBy_TransportNotSupported
2108	RegistrationRejectBy_TransportQOSNotSupported
2109	RegistrationRejectBy_ResourceUnavailable
2110	RegistrationRejectBy_InvalidAlias
2111	RegistrationRejectBy_SecurityDenial
2112	RegistrationRejectBy_FullRegistrationRequired
2113	RegistrationRejectBy_AdditiveRegistrationNotSupported
2114	RegistrationRejectBy_InvalidTerminalAliases
2115	RegistrationRejectBy_GenericDataReason
2116	RegistrationRejectBy_NeededFeatureNotSupported
3000	CreateCall

3001	RemoveCall
3100	AdmissionRejectBy_CalledPartyNotRegistered
3101	AdmissionRejectBy_InvalidPermission
3102	AdmissionRejectBy_RequestDenied
3103	AdmissionRejectBy_UndefinedReason
3104	AdmissionRejectBy_CallerNotRegistered
3105	AdmissionRejectBy_RouteCallToGateKeeper
3106	AdmissionRejectBy_InvalidEndpointIdentifier
3107	AdmissionRejectBy_ResourceUnavailable
3108	AdmissionRejectBy_SecurityDenial
3109	AdmissionRejectBy_QosControlNotSupported
3110	AdmissionRejectBy_IncompleteAddress
3111	AdmissionRejectBy_AliasesInconsistent
3112	AdmissionRejectBy_RouteCallToSCN
3113	AdmissionRejectBy_ExceedsCallCapacity
3114	AdmissionRejectBy_CollectDestination
3115	AdmissionRejectBy_CollectPIN
3116	AdmissionRejectBy_GenericDataReason
3117	AdmissionRejectBy_NeededFeatureNotSupported
4000	Show all the results of the calls and Endpoints.

History Events

Show the Events History. With search terms, only desired information can be displayed.

Search terms (Multiple search terms are selectable)

- Notification ID From / Notification ID To : Search with the Notification ID.

- Event Time From / Event Time To : Search with the time of the Events.

- Category : Search the events based on "GK-System, GK-Registration, GK-Call".

- Severity : Search the events based on severity (Normal, Warning,

Minor, Major, Critical).

	Notification ID To				Event Time From	
▼	Severity	Minor ▼			Code	
		Critical				
		Major				
-Category	Event-Severity	**Minor**		Object-ID		
	Major	**Warning**				Management channel clo⸱
ation	Major	**Normal**		3f7ae556...		Remove an endpoint
ation	Major			3f7ae556...		Endpoint will be removed
ation	Minor	2004	GK-Regist...	3f7ae556...		No response on IRQ.
ation	Major	2000	GK-Regist...	3f7ae556...		GW; Normal; 3f7ae55600
ation	Minor	2112	GK-Regist...			<RRQ> from 172.17.202.2
ation	Major	2000	GK-Regist...	3f7ae556...		GW; Normal; 3f7ae55600

- Code : Search based on the Event-Code.

- ObjectType : Search based on the Object-Type.

- ObjectID: Search based on the Object-ID.

Search Examples

Based on Event Severity

- Search term: Warning

- Search Term: Minor

- Search Term: Major

- Search Term: Critical

Notific...	Time-Stamp	Event-Category	Event-Severity	Event-Code	Object-Type	Object-ID	Event-Phrase
		Category All ▼	Severity Critical ▼		Code		ObjectType
		ObjectID					Get
5	2003.10.01 - 14:31:51	GK-System	Critical	1002			Gatekeeper system start service
4	2003.10.01 - 14:31:51	GK-System	Critical	1004			Gatekeeper system stop service
3	2003.10.01 - 14:31:51	GK-System	Critical	1002			Gatekeeper system start service
2	2003.10.01 - 14:31:50	GK-System	Critical	1004			Gatekeeper system stop service
1	2003.10.01 - 14:31:50	GK-System	Critical	1000			Gatekeeper system booting ...

Based on multiple search terms

- Search Terms: "GK-Call" & "Warning"

Notific...	Time-Stamp	Event-Category	Event-Severity	Event-Code	Object-Type	Object-ID	Event-Phrase
		Category GK-Call ▼	Severity Warning ▼		Code		ObjectType
		ObjectID					Get
140	2003.10.01 - 14:32:04	GK-Call	Warning	3100	GK-Active...	58e57a3f-...	<ARQ> rejected by unregistered destination (5679).
138	2003.10.01 - 14:32:03	GK-Call	Warning	3100	GK-Active...	58e57a3f-...	<ARQ> rejected by unregistered destination (5678).
136	2003.10.01 - 14:32:03	GK-Call	Warning	3100	GK-Active...	58e57a3f-...	<ARQ> rejected by unregistered destination (5679).
133	2003.10.01 - 14:32:03	GK-Call	Warning	3100	GK-Active...	57e57a3f-...	<ARQ> rejected by unregistered destination (5678).
131	2003.10.01 - 14:32:03	GK-Call	Warning	3100	GK-Active...	57e57a3f-...	<ARQ> rejected by unregistered destination (5679).
129	2003.10.01 - 14:32:03	GK-Call	Warning	3100	GK-Active...	57e57a3f-...	<ARQ> rejected by unregistered destination (5678).
127	2003.10.01 - 14:32:02	GK-Call	Warning	3100	GK-Active...	57e57a3f-...	<ARQ> rejected by unregistered destination (5679).
125	2003.10.01 - 14:32:02	GK-Call	Warning	3100	GK-Active...	57e57a3f-...	<ARQ> rejected by unregistered destination (5678).
123	2003.10.01 - 14:32:02	GK-Call	Warning	3100	GK-Active...	56e57a3f-...	<ARQ> rejected by unregistered destination (5679).
121	2003.10.01 - 14:32:02	GK-Call	Warning	3100	GK-Active...	56e57a3f-...	<ARQ> rejected by unregistered destination (5678).
118	2003.10.01 - 14:32:02	GK-Call	Warning	3100	GK-Active...	56e57a3f-...	<ARQ> rejected by unregistered destination (5679).
114	2003.10.01 - 14:32:01	GK-Call	Warning	3100	GK-Active...	56e57a3f-...	<ARQ> rejected by unregistered destination (5678).
112	2003.10.01 - 14:32:01	GK-Call	Warning	3100	GK-Active...	56e57a3f-...	<ARQ> rejected by unregistered destination (5679).
110	2003.10.01 - 14:32:01	GK-Call	Warning	3100	GK-Active...	56e57a3f-...	<ARQ> rejected by unregistered destination (5678).
108	2003.10.01 - 14:32:01	GK-Call	Warning	3100	GK-Active...	56e57a3f-...	<ARQ> rejected by unregistered destination (5679).
106	2003.10.01 - 14:32:00	GK-Call	Warning	3100	GK-Active...	56e57a3f-...	<ARQ> rejected by unregistered destination (5678).
104	2003.10.01 - 14:32:00	GK-Call	Warning	3100	GK-Active...	56e57a3f-...	<ARQ> rejected by unregistered destination (5679).
99	2003.10.01 - 14:32:00	GK-Call	Warning	3100	GK-Active...	56e57a3f-...	<ARQ> rejected by unregistered destination (5678).
97	2003.10.01 - 14:32:00	GK-Call	Warning	3100	GK-Active...	56e57a3f-...	<ARQ> rejected by unregistered destination (5679).
94	2003.10.01 - 14:32:00	GK-Call	Warning	3100	GK-Active...	56e57a3f-...	<ARQ> rejected by unregistered destination (5678).
92	2003.10.01 - 14:32:00	GK-Call	Warning	3100	GK-Active...	54e57a3f-...	<ARQ> rejected by unregistered destination (5679).
90	2003.10.01 - 14:32:00	GK-Call	Warning	3100	GK-Active...	53e57a3f-...	<ARQ> rejected by unregistered destination (5678).
85	2003.10.01 - 14:31:58	GK-Call	Warning	3100	GK-Active...	53e57a3f-...	<ARQ> rejected by unregistered destination (5679).
83	2003.10.01 - 14:31:58	GK-Call	Warning	3100	GK-Active...	53e57a3f-...	<ARQ> rejected by unregistered destination (5678).
81	2003.10.01 - 14:31:58	GK-Call	Warning	3100	GK-Active...	53e57a3f-...	<ARQ> rejected by unregistered destination (5679).
78	2003.10.01 - 14:31:58	GK-Call	Warning	3100	GK-Active...	53e57a3f-...	<ARQ> rejected by unregistered destination (5678).

- Search Terms: "GK-Registration" & "Major"

Notific...	Time-Stamp	Event-Category	Event-Severity	Event-Code	Object-Type	Object-ID	Event-Phrase
		Category GK-Registration ▼	Severity Major ▼		Code		ObjectType
		ObjectID					Get
38438	2003.10.01 - 15:21:21	GK-Registration	Major	2001	GK-Regist...	3f7ae556-...	Remove an endpoint
38437	2003.10.01 - 15:21:21	GK-Registration	Major	2005	GK-Regist...	3f7ae556-...	Endpoint will be removed by no response.
244	2003.10.01 - 14:32:15	GK-Registration	Major	2000	GK-Regist...	3f7ae556-...	GW; Normal; 3f7ae556000006; 172.17.202.211; 1720; 172.17.202.211;...
149	2003.10.01 - 14:32:06	GK-Registration	Major	2000	GK-Regist...	3f7ae556-...	GW; Normal; 3f7ae556000005; 172.17.202.210; 1720; 172.17.202.210;...
143	2003.10.01 - 14:32:04	GK-Registration	Major	2000	GK-Regist...	3f7ae556-...	GW; Normal; 3f7ae556000004; 172.17.202.50; 1720; 172.17.202.50; 2...
29	2003.10.01 - 14:31:56	GK-Registration	Major	2000	GK-Regist...	3f7ae556-...	GW; Normal; 3f7ae556000003; 172.17.202.201; 1720; 172.17.202.201;...
10	2003.10.01 - 14:31:54	GK-Registration	Major	2000	GK-Regist...	3f7ae556-...	GW; Normal; 3f7ae556000002; 172.17.202.200; 1720; 172.17.202.200;...
6	2003.10.01 - 14:31:53	GK-Registration	Major	2000	GK-Regist...	3f7ae556-...	GW; Normal; 3f7ae556000001; 172.17.202.100; 1720; 172.17.202.100;...

- Search Terms: "GK-System" & "Minor"

Notific...	Time-Stamp	Event-Category	Event-Severity	Event-Code	Object-Type	Object-ID	Event-Phrase
		Category GK-System ▼	Severity Minor ▼		Code		ObjectType
		ObjectID					Get
44242	2003.10.01 - 15:35:53	GK-System	Major	1006			Management channel close with 172.17.1.104
5	2003.10.01 - 14:31:51	GK-System	Critical	1002			Gatekeeper system start service
4	2003.10.01 - 14:31:51	GK-System	Critical	1004			Gatekeeper system stop service
3	2003.10.01 - 14:31:51	GK-System	Critical	1002			Gatekeeper system start service
2	2003.10.01 - 14:31:50	GK-System	Critical	1004			Gatekeeper system stop service
1	2003.10.01 - 14:31:50	GK-System	Critical	1000			Gatekeeper system booting ...

Status Information

- Notification ID : The unique ID of the events according to the time.

- Time-Stamp : Indicates the time of the Events.

- Event-Category : Indicates the category of the Events.

- Event-Severity : Indicates the severity of the Events with specific colors.

- Event-Code : Shows the code of the Event-Category.

- Object-type : Shows the Object Type.

- Object-ID : Shows the Object-ID.

- Event-Phrase : Shows the detailed information of the Events.

Statistics Graph

It displays the real-time active call information of the registered devices.
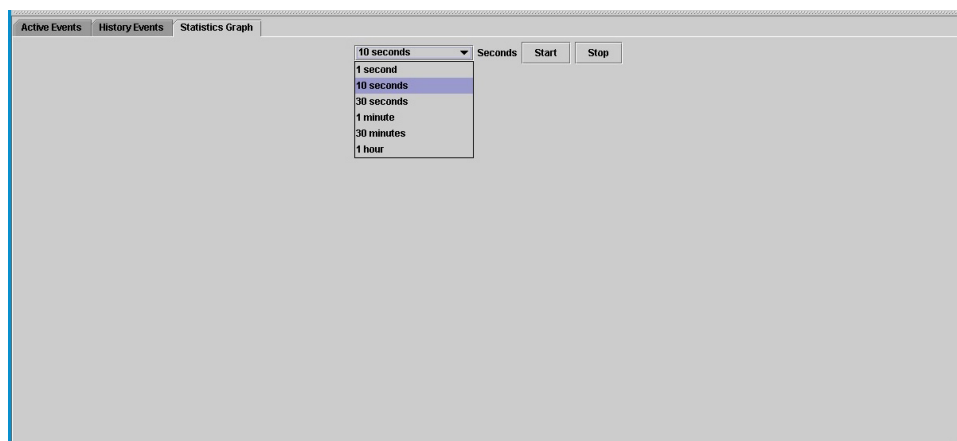
The user can set the refresh time based on 1 sec, 10 sec, 30 sec, 1 min, 30 min, 1 hour.   Also, the user can choose to start or stop displaying with "Start, Stop" buttons.

At the below image, 5 devices are registered at the GateKeeper and 37 calls are active. "x-axis" indicates "time" and "y-axis" means "numbers".