

Axibase Fabrica

v199a

Date: 28 Jan 2008

Agenda

- Event enrichment
- **Historical event reporting**
- Event notifications
- Event acknowledgements

Historical Event Reporting

- Problem: Currently historical event reporting is limited to individual hosts or agents and is not available for applications or groups. Application owners need an easy way of retrieving reports for their all servers that are supporting their applications for audit trail and performance analysis purposes.
- Solution: 'Event Report' link has been added to each model and resource group. Reports are generated on demand in PDF format.
- Current limitation is that the group/application should have less than 256 direct members (SQL predicate length).
- Report Editor allows users to customize selection intervals and include availability chart.
- By default, historical events (closed events) are stored in Fabrica in an off-line table for 6 month. The setting is configurable.

Event Reporting - Designer

- All reports are created on demand based on user settings. Reports for extended intervals and/or large groups may take several minutes to complete.

The screenshot displays the 'Event Report Designer' interface. On the left, an 'Overview' section provides system details for 'NT System' (ID: nt_system, Severity: Critical, Member Count: 6). A configuration window titled 'Event Report Designer' is overlaid on the right, allowing users to set report parameters. An orange arrow points from the 'Open' link for the 'Event Report' in the overview to the 'Add Event Log' option in the configuration window.

Overview	
Name	NT System
ID	nt_system
Severity	Critical
Situation Report	Open
Event Report	Open
IsDefault	true
Product	NT [Windows NT]
Member Count	6
Custom Properties	<input type="text"/> <input type="text"/>

Event Report Designer Configuration

Add Availability Log	Yes	Interval: Day	1	
Add Event Log	Yes			
Add Closed Events	Yes	Interval: Month	1	Severity: Normal

Buttons:

Event Reporting - Example

- Each report specifies key information about raised situations (host, agent, time opened, time closed, situation name (aka rule), display item, and event text)

Event Log

Open	Closed	Host	Source	Rule	Item	Text
27-Jan-08 21:46		CUPITMNT20	Windows OS	NT_Available_Bytes_Critical		Available Bytes = 45195264
27-Jan-08 21:40	27-Jan-08 21:42	CUPITMNT20	Windows OS	NT_Available_Bytes_Critical		Available Bytes = 48939008
27-Jan-08 21:35	27-Jan-08 21:39	CUPITMNT20	Windows OS	NT_Available_Bytes_Critical		Available Bytes = 49844224
27-Jan-08 21:19	27-Jan-08 21:34	AXICORE	Windows OS	NT_System_File_Critical		File Data Operations/Sec = 107463
27-Jan-08 21:19	27-Jan-08 21:34	AXICORE	Windows OS	NT_System_CPU_Warning		Operating System Version = 5.1; % Processor Time = 80; % Processor Time = 90; Processor = " Total"
27-Jan-08 21:19	27-Jan-08 21:34	AXICORE	Windows OS	NT_Process_CPU_Warning	javaw	% Processor Time = 56; Priority Base = 8; Process Name = javaw
27-Jan-08 20:31	27-Jan-08 21:12	CUPITMNT20	Windows OS	NT_Available_Bytes_Critical		Available Bytes = 46174208
27-Jan-08 18:39	27-Jan-08 18:40	AXICORE	Windows OS	NT_Logical_Disk_Custom	C:	% Free = 19; Disk Name = C:
27-Jan-08 18:37	27-Jan-08 18:46	CUPITMNT20	Windows OS	NT_Available_Bytes_Critical		Available Bytes = 45027328
27-Jan-08 18:34	27-Jan-08 18:49	AXIWORKXP	Windows OS	NT_Process_CPU_Warning	vmware-vmx	% Processor Time = 51; Priority Base = 8; Process Name = vmware-vmx
27-Jan-08 18:34	27-Jan-08 18:49	CUPITMNT20	Windows OS	NT_Physical_Disk_Busy_Warnin	0 C:	% Disk Time = 81; Disk Name = 0 C:
27-Jan-08 18:34		CUPNTWAS01	Windows OS	NT_Paging_File_Critical	\\??\C:\pagefile.sys	% Usage = 90; Pagefile Name = \\??\C:\pagefile.sys; Pagefile Name = \\??\C:\pagefile.sys
27-Jan-08 18:34		AXIWORKXP	Windows OS	NT_Disk_Space_Low	F:	Disk Name = F:: Free Megabytes = 0
27-Jan-08 18:34		AXIWORKXP	Windows OS	NT_Disk_Space_Low	E:	Disk Name = E:: Free Megabytes = 0
27-Jan-08 18:34	27-Jan-08 18:34	AXIWORKXP	Windows OS	NT_Disk_Space_Low	F:	Free Megabytes = 0; Disk Name = F:
27-Jan-08 18:34	27-Jan-08 18:34	AXIWORKXP	Windows OS	NT_Disk_Space_Low	E:	Free Megabytes = 0; Disk Name = E:
27-Jan-08 18:29		CUPNTWAS01	Windows OS	NT_Available_Bytes_Critical		Available Bytes = 31412224
27-Jan-08 18:29		AXIBOOK	Windows OS	NT_Available_Bytes_Critical		Available Bytes = 38080512
27-Jan-08 18:29	27-Jan-08 18:40	AXIDELL	Windows OS	NT_Logical_Disk_Custom	C:	% Free = 62; Disk Name = C:
27-Jan-08 18:29	27-Jan-08 18:40	AXIWORKXP	Windows OS	NT_Logical_Disk_Custom	G:	% Free = 26; Disk Name = G:
27-Jan-08 18:29	27-Jan-08 18:40	AXIWORKXP	Windows OS	NT_Logical_Disk_Custom	F:	% Free = 0; Disk Name = F:
27-Jan-08 18:29	27-Jan-08 18:40	AXIWORKXP	Windows OS	NT_Logical_Disk_Custom	E:	% Free = 0; Disk Name = E:
27-Jan-08 18:29	27-Jan-08 18:40	AXIWORKXP	Windows OS	NT_Logical_Disk_Custom	C:	% Free = 61; Disk Name = C:
27-Jan-08 18:29	27-Jan-08 18:40	CUPNTWAS01	Windows OS	NT_Logical_Disk_Custom	C:	% Free = 33; Disk Name = C: