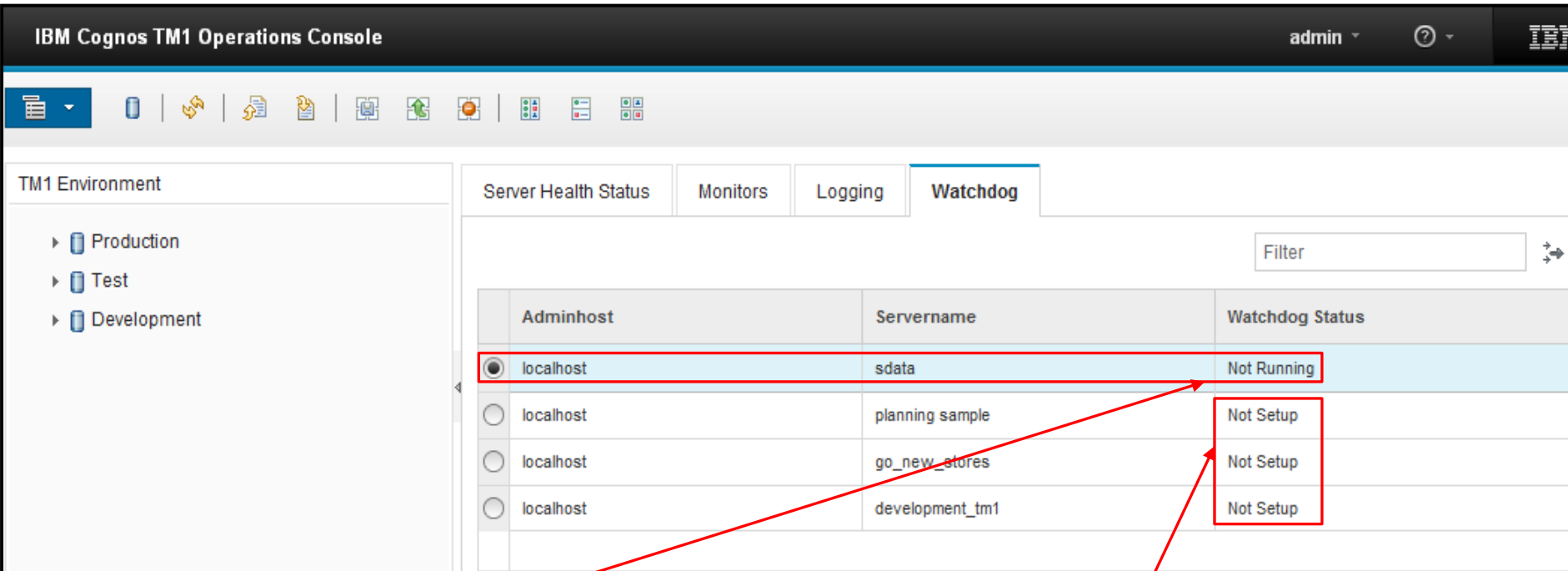


Setting up Watchdog TM1 Operations Console 10.2



1. Login to TM1 operations Console

- Use url below to login to TM1 Operations Console
`http://<TM1_Application_Server>:9510/pmhub/pm/opsconsole`
- Click on Watchdog tab. You can see the TM1 servers added to TM1 Operations Console and their Watchdog status showing if
 - The Watchdog is setup for the TM1 server
 - If Setup, if the Watchdog is currently running or not

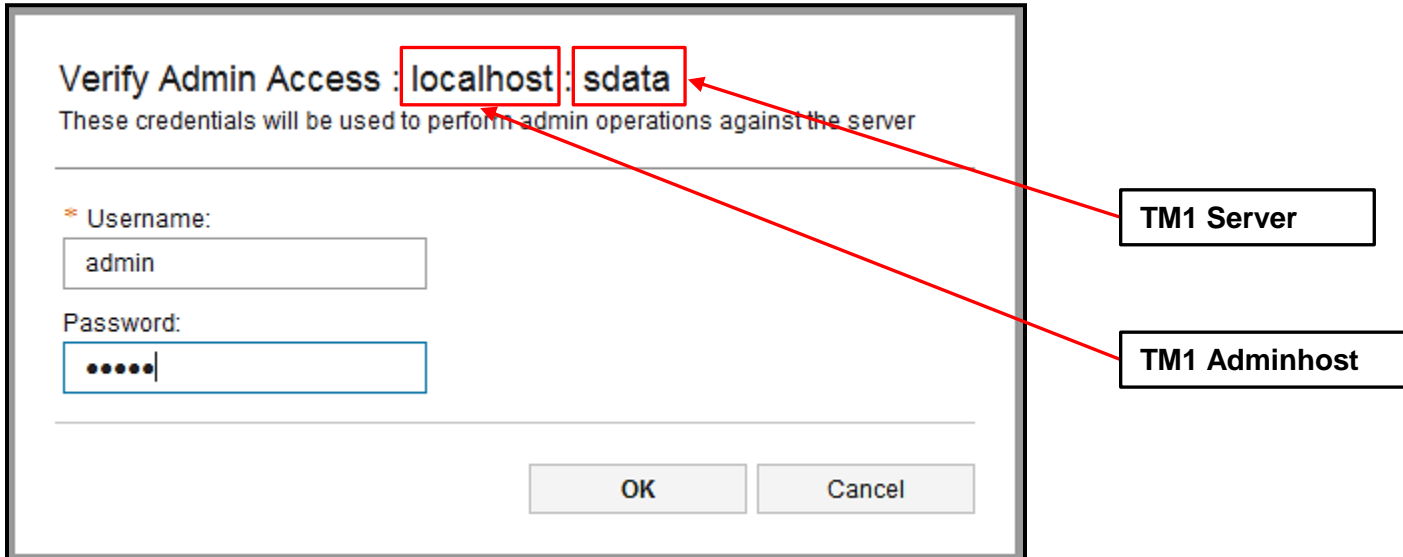


The screenshot shows the IBM Cognos TM1 Operations Console interface. The top navigation bar includes the title 'IBM Cognos TM1 Operations Console', a user dropdown 'admin', and a help icon. Below the navigation bar is a toolbar with various icons. The main content area is divided into a left sidebar for 'TM1 Environment' (Production, Test, Development) and a main panel with tabs for 'Server Health Status', 'Monitors', 'Logging', and 'Watchdog'. The 'Watchdog' tab is active, displaying a table of TM1 servers and their watchdog status. A filter input is present above the table. The table has columns for 'Adminhost', 'Servername', and 'Watchdog Status'. The first row is selected, showing 'localhost' as the adminhost, 'sdata' as the servername, and 'Not Running' as the watchdog status. The other three rows show 'localhost' as the adminhost and 'planning sample', 'go_new_stores', and 'development_tm1' as servernames, all with a 'Not Setup' watchdog status. Red boxes highlight the 'Not Running' and 'Not Setup' statuses, with red arrows pointing to callout boxes at the bottom of the slide.

Adminhost	Servername	Watchdog Status
<input checked="" type="radio"/> localhost	sdata	Not Running
<input type="radio"/> localhost	planning sample	Not Setup
<input type="radio"/> localhost	go_new_stores	Not Setup
<input type="radio"/> localhost	development_tm1	Not Setup

2. Setup Watchdog rules / Modify Already setup rules

- If you want to setup watchdog rules or modify existing rules, select the TM1 server and click on 'Verify' to verify your admin access to the TM1 server.
- **Note** : After verifying your admin access to the TM1 server, you may have to drag the TM1 console pane



Verify Admin Access : localhost : sdata

These credentials will be used to perform admin operations against the server

Username:
admin

Password:
.....

OK Cancel

TM1 Server

TM1 Adminhost

3. Watchdog screen

Server Health Status | Monitors | Logging | **Watchdog**

Watchdog Status : Not created by any Admin user

Save | Delete | Start | Stop

Frequency (sec):

Filter

User	Object	Function	State	Threshold	Thread Count	Action
No items to display						

Add a Rule

Edit existing Rule

Delete a Rule

Frequency with which watchdog should run to check the matched rules

No Rules Set

Apply a filter to search rules containing specific words

4.1 Adding a Rule

- You can setup watchdog rules for offline administration of a TM1 server

Add New Rule

Define the rules of the watchdog you want to apply.

Field	Operator	Value
User	Equals	Admin
Object	Equals	
Function	Equals	
State	Equals	
Threshold	Greater Than	
Thread Count	Greater Than	
Action	Equals	<div style="border: 1px solid #ccc; padding: 2px;"><div style="border-bottom: 1px solid #ccc; padding: 2px;">Kill</div><div style="padding: 2px;">Kill</div><div style="padding: 2px;">Log</div></div>

4.2 Adding a Rule

- You have to define at least one rule / condition.
- The default action is to 'Kill'. You can choose to log the event as well, when the rule condition matches.
- The State field accepts these settings: Idle, Run, Commit, Rollback, Wait, Logon, Finish.
- User field is case sensitive.

Example : Monitoring an event and taking action

- A rule set for monitoring a process 'Process_Monthly_Data_Load' executed by user 'Admin' and to log and kill it.

Edit Rule

Define the rules of the watchdog you want to apply.

Field	Operator	Value
User	Equals	Admin
Object	Equals	Process_Monthly_Data_Load
Function	Equals	ProcessExecuteEx
State	Equals	
Threshold	Greater Than	
Thread Count	Greater Than	
Action	Equals	Kill

Save **Cancel**

Example : Monitoring an event and taking action

- Save the watchdog and specify the frequency for watchdog (>=60 seconds) and Start

Watchdog Status Not started by any Admin user

Save Delete Start Stop

* Frequency (sec):

Filter

	User	Object	Function	State	Threshold	Thread Count	Action
<input type="radio"/>	= admin	= Process_Monthly_Data_Load	= ExecuteProcessEx				Log
<input type="radio"/>	= admin	= Process_Monthly_Data_Load	= ExecuteProcessEx				Kill

Watchdog Status Started by user : localhost\data\admin

Save Delete Start Stop

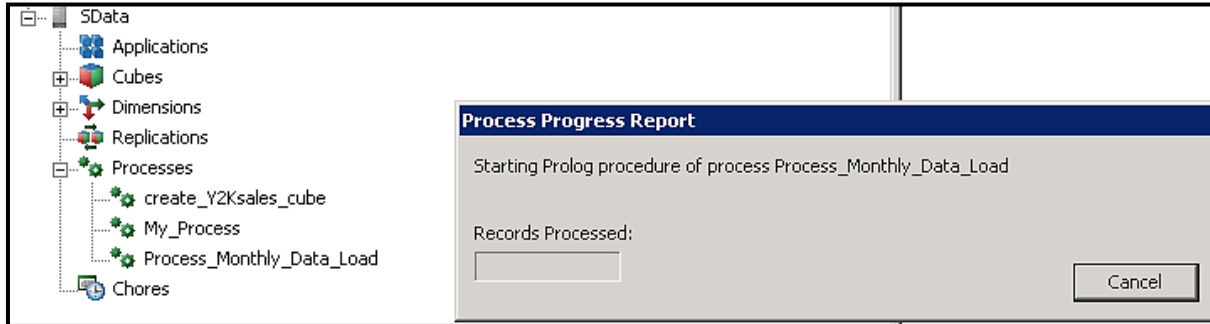
* Frequency (sec):

Filter

	User	Object	Function	State	Threshold	Thread Count	Action
<input type="radio"/>	= admin	= Process_Monthly_Data_Load	= ExecuteProcessEx				Log
<input type="radio"/>	= admin	= Process_Monthly_Data_Load	= ExecuteProcessEx				Kill

Example : Monitoring an event and taking action

- Login with the username 'Admin' in Architect and run the process for which the Watchdog is set.
- Monitor the TM1 server (Sdata) from TM1 ops console monitor tab.



Server Health Status **Monitors** Logging Watchdog

localhost-sdata Status : Enhanced

Health Check : ● Online Number of threads :21 Number of wait threads :0

Memory Statistics: Memory Used:0.00 Garbage Memory:0.00

Filter OFF... Showing states: All Log to disk

ID ▲	User	Context	State	Function	Type	Object	Info	Time (s)
1764	Admin	-	Idle	-	-	-	-	-
2472	Admin	-	Idle	-	-	-	-	-
2924	Th:DynamicConfig	-	Idle	-	-	-	-	-
3936	Admin	Architect	Run:R	ProcessExecuteEx	Process	Process_Monthly_Data_Load	Prolog (6)	27
964	Th:Pseudo	-	Idle	-	-	-	-	-

Example : Monitoring an event and taking action

- When the watchdog rule criteria matched, The process will be killed by watchdog within frequency time set and you will see the message box confirming the same in Architect client who launched the process.

