

Ready for

**IBM.** | **Tivoli.**

software



*Blue Medora ITM Agent for  
IBM Tivoli Directory Server (ITDS)  
(version 6.20.00)*

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- Largest Independent Software Vendor (ISV) focused exclusively on developing extensions for the Tivoli SAPM product portfolio
- Focused on integrating emerging technologies with IBM Tivoli's Service Availability and Performance Management (SAPM) product portfolio
  - Cloud Monitoring
  - Virtualization / VDI
  - Fine grained security technologies and applications
- Trusted IBM Partner: IBM partners with Blue Medora for complex ITM / ITCAM monitoring solutions via OEM licensing of Blue Medora's Siebel and PeopleSoft monitoring solutions
- 12 new IBM 'Ready for Tivoli' Certified Solutions in past 18 months



9 Tivoli® Certified Tivoli Monitoring Agents

3 Tivoli® Certified TCR Report Packages

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**12 Blue Medora Tivoli® Certified Solutions**

**World's Leading ISV focused on Tivoli®  
Monitoring Value-Added Products**



\*Products sold only under  
IBM License Agreements

## **Tivoli Certified ITM Agents**

IBM® Tivoli® Directory Server ITM agent

Symantec Endpoint Protection ITM agent

Files & Directories ITM agent

Ping Probe ITM agent

Remote SSL Certificates ITM agent

Amazon® Elastic Computer Cloud (EC2) ITM agent

Amazon® Simple Storage Service (S3) ITM agent

Citrix® XenServer™ ITM agent (*anticipated Q4/10*)

Microsoft® Azure ITM agent (*anticipated Q3/11*)

## **Tivoli Certified TCR Reporting Packages**

IBM® Tivoli® Directory Server (ITDS) Reporting

Ping Probe Reporting

Remote SSL Certificates Reporting

## **Certified ITM Agents**

ITCAM for Applications:

PeopleSoft® Enterprise 6.2.2

ITCAM for Applications:

Siebel® CRM 6.2.4

## **Certified TCR Reporting Packages**

ITCAM for Applications:

PeopleSoft® Reporting Package

Ready for

**IBM** | **Tivoli**

software

- Provides deep IBM® Tivoli® Monitoring (ITM) based monitoring and management of IBM® Tivoli® Directory Server (ITDS) environments
- Provides visibility into ITDS Availability, Connections, Replication, Cache Hit Ratios, ITDS Logs, and other key ITDS metrics
- When used in conjunction with ITM Operating System Agents, provides industry leading visibility into ITDS-based LDAP directory server environments from the directory server LDAP instances down to server's operating system health

- IBM Certified

- Ready for IBM® Tivoli®



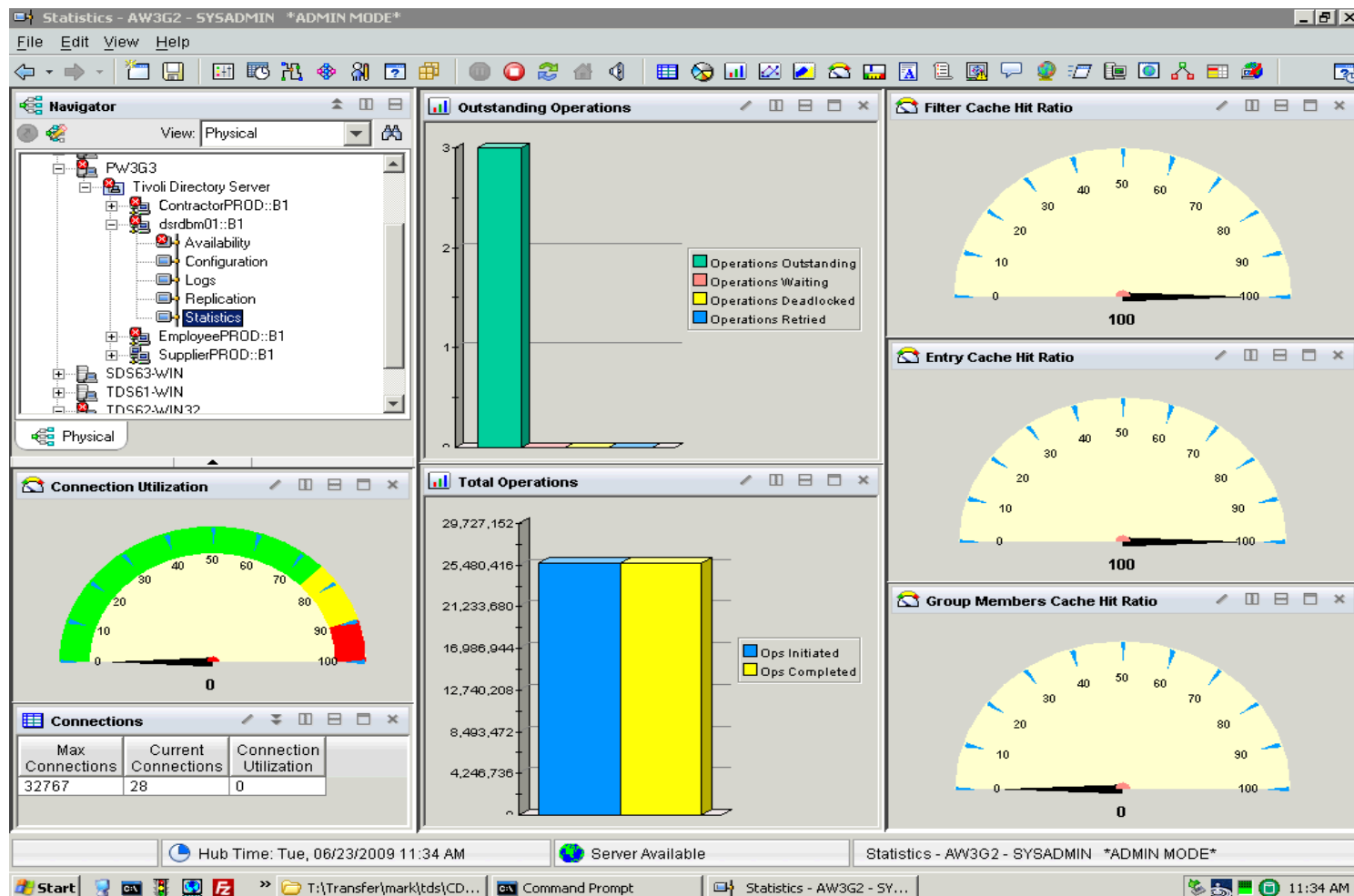


- **ITDS Dashboard** – Tivoli® Enterprise Portal (TEP)-based dashboard allows system administrators to quickly determine overall health and status of ITDS LDAP directory instances
- **Comprehensive Availability Monitoring** – Three distinct capabilities for monitoring ITDS availability
  - Is server responding to LDAP Queries? [Yes/No]
  - Availability of Critical ITDS-related operating system processes
  - Is ITDS Instance in “configuration mode” (not responding to non-admin queries) [Yes/No]
- **Situations** – Over 40 ITDS specific ITM “Situations” allow administrators to quickly and efficiently isolate impending or existing critical errors in their ITDS environment, along with expert advice based on industry best practices about how to remedy the problem
- **Take Actions** – 7 ITM “Take-Actions” facilitate remote management of ITDS instances
- **Secure Monitoring** – Supports monitoring of ITDS instances using SSL connections

# Consistency With Existing ITM Infrastructure



- ITM Agent for ITDS **has been designed from the ground up to look, feel, and operate like IBM®-developed ITM agents** in terms of ITM remote deployment, manageability via ITM command-line utilities, installation and configuration



# 1<sup>st</sup> Class Citizens of the Tivoli Monitoring Ecosystem



- ITM Agent for ITDS operates as **first-class citizens of the ITM ecosystem**
- Agent leverage ITM's Tivoli Enterprise Portal (TEP) visualization capabilities include expert advice, customized workspaces, and historical data gathering

The screenshot displays the Tivoli Directory Server administration console with several monitoring panels:

- Navigator:** Shows a tree view of the directory structure, including Enterprise, Linux Systems, UNIX Systems, Windows Systems, and various servers like ContractorPROD, dsrdbm01, EmployeePROD, and SupplierPROD.
- Reachable:** A table showing the reachability status of instances.

Instance Reachable	Node
True	dsrcdbm01:PW3G3:B1
False	ContractorPROD:PW3G3:B1
True	SupplierPROD:PW3G3:B1
True	EmployeePROD:PW3G3:B1
- Ports:** A table showing port configurations for different nodes.

Node	Slapd Port	Slapd Secure Port	Admin Port	Admin Secure Po
dsrcdbm01:PW3G3:B1	389	636	3538	3539
SupplierPROD:PW3G3:B1	1389	1636	3540	3541
EmployeePROD:PW3G3:B1	2389	2636	3542	3543
- Server Information:** A table showing LDAP service details.

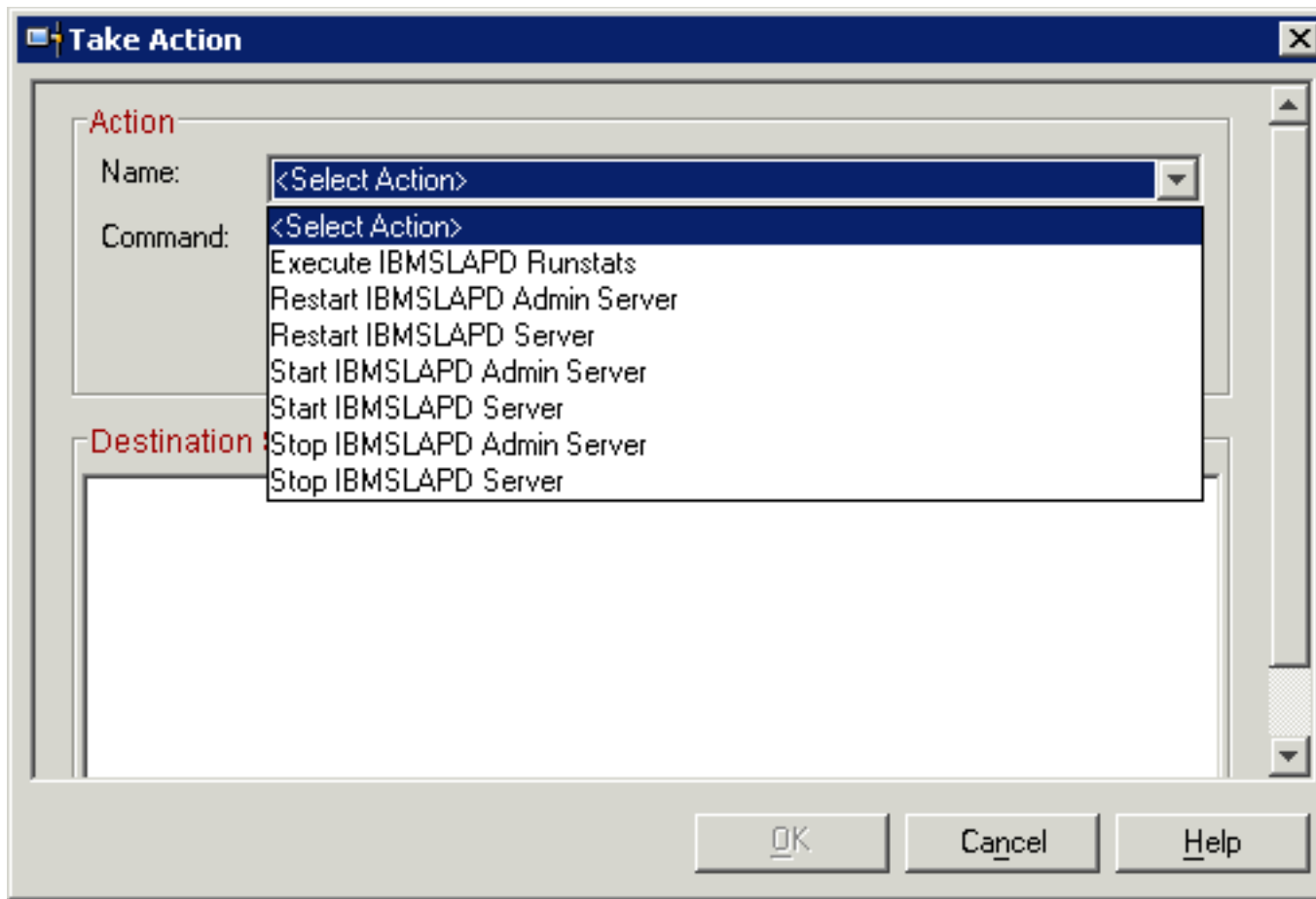
Node	LDAP Service Name	Vendor Version	SLAPD Server Instance Name	SLAPD Configuration Mode
dsrcdbm01:PW3G3:B1	pw3g3	6.2	dsrcdbm01	FALSE
SupplierPROD:PW3G3:B1	pw3g3	6.2	dir2	FALSE
EmployeePROD:PW3G3:B1	pw3g3	6.2	ds4	TRUE
- Connections:** A table showing connection statistics.

Node	Max Connections	Current Connections	Connection Utilization
dsrcdbm01:PW3G3:B1	32767	29	0
SupplierPROD:PW3G3:B1	32767	4	0
EmployeePROD:PW3G3:B1	32767	3	0
- Errors:** A table showing error counts.

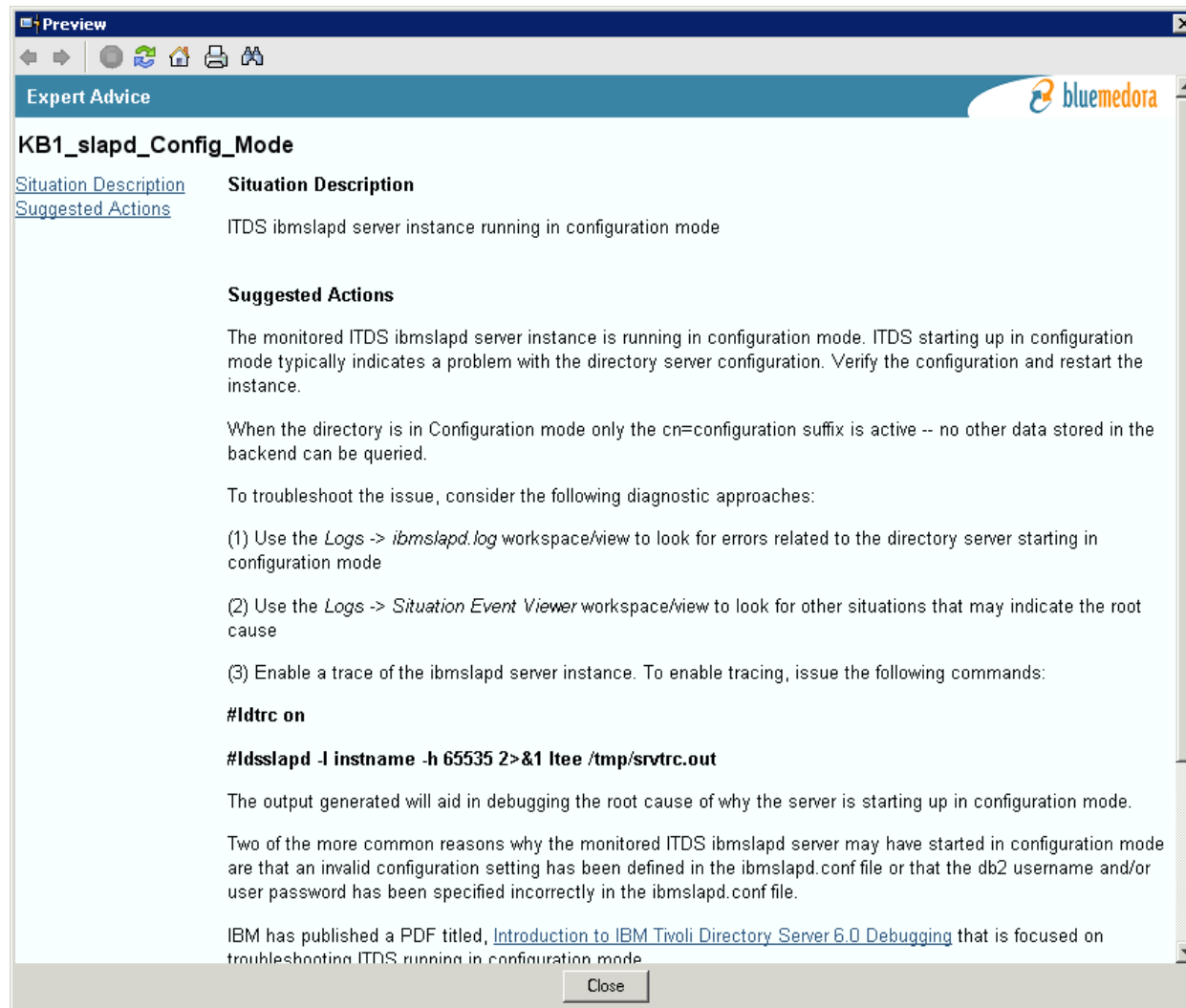
Node	Slapd Error Log Messages	Slapd Cli Errors Messages
dsrcdbm01:PW3G3:B1	72	2
SupplierPROD:PW3G3:B1	44	1
EmployeePROD:PW3G3:B1	39	0
- Work Queue:** A 3D bar chart showing the number of available workers and current work queue size for each node. The chart shows 14 available workers for dsrdbm01:PW3G3:B1.

The status bar at the bottom indicates the Hub Time is Tue, 06/23/2009 11:32 AM, and the server is Available. The taskbar shows the Start button, system tray, and open applications including Command Prompt and Tivoli Directory Server.

- **Go beyond monitoring** and get things done in your environment with a comprehensive set ITDS-specific Take-Actions



- “**Expert Advice**” based on Industry Best Practices for ITDS troubleshooting and diagnostics



The screenshot shows a web browser window titled "Preview" displaying an "Expert Advice" page. The page header includes the Bluemedora logo. The main content is for knowledge base article "KB1\_slapd\_Config\_Mode". It features a "Situation Description" section stating "ITDS ibmslapd server instance running in configuration mode" and a "Suggested Actions" section. The suggested actions include: 1) Checking logs in the `ibmslapd.log` workspace, 2) Using the `Situation Event Viewer` workspace, and 3) Enabling tracing with the command `#ldtrc on` and `#ldsslapd -I instname -h 65535 2>&1 ltee /tmp/srvtrc.out`. The page also mentions that the output will aid in debugging and lists common reasons for configuration mode, such as invalid settings in `ibmslapd.conf`. A "Close" button is located at the bottom of the window.

**Expert Advice**

### KB1\_slapd\_Config\_Mode

[Situation Description](#)    **Situation Description**  
[Suggested Actions](#)

ITDS ibmslapd server instance running in configuration mode

**Suggested Actions**

The monitored ITDS ibmslapd server instance is running in configuration mode. ITDS starting up in configuration mode typically indicates a problem with the directory server configuration. Verify the configuration and restart the instance.

When the directory is in Configuration mode only the `cn=configuration` suffix is active -- no other data stored in the backend can be queried.

To troubleshoot the issue, consider the following diagnostic approaches:

- (1) Use the `Logs -> ibmslapd.log` workspace/view to look for errors related to the directory server starting in configuration mode
- (2) Use the `Logs -> Situation Event Viewer` workspace/view to look for other situations that may indicate the root cause
- (3) Enable a trace of the ibmslapd server instance. To enable tracing, issue the following commands:  
**#ldtrc on**  
**#ldsslapd -I instname -h 65535 2>&1 ltee /tmp/srvtrc.out**

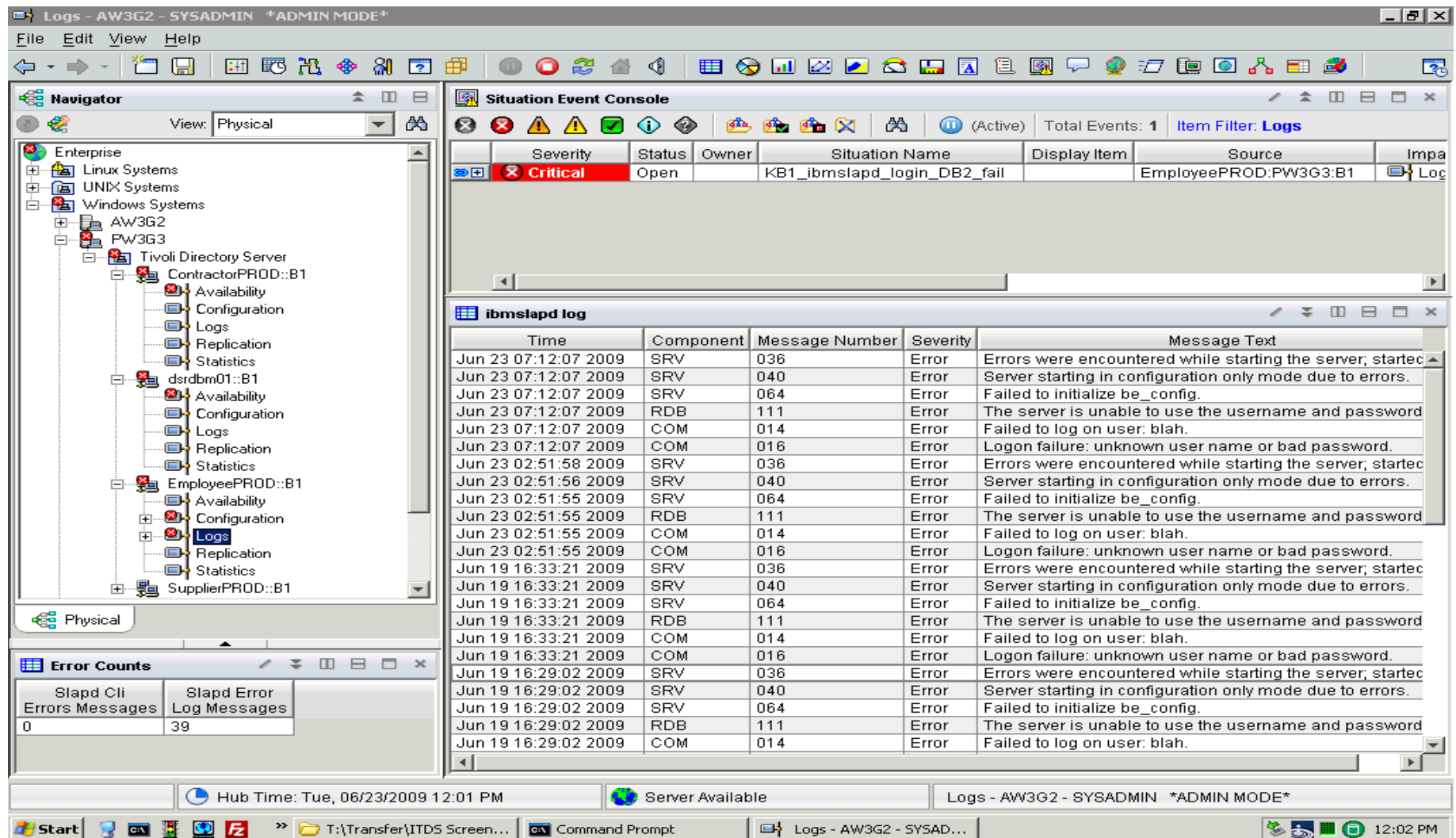
The output generated will aid in debugging the root cause of why the server is starting up in configuration mode.

Two of the more common reasons why the monitored ITDS ibmslapd server may have started in configuration mode are that an invalid configuration setting has been defined in the `ibmslapd.conf` file or that the `db2` username and/or user password has been specified incorrectly in the `ibmslapd.conf` file.

IBM has published a PDF titled, [Introduction to IBM Tivoli Directory Server 6.0 Debugging](#) that is focused on troubleshooting ITDS running in configuration mode.

Close

- **Drill down** into the specific errors or conditions in the ITDS logs that are affecting performance and availability



The screenshot displays the ITM Agent for IBM Tivoli Directory Server (ITDS) interface. The main window is titled "Logs - AW3G2 - SYSADMIN \*ADMIN MODE\*" and shows a "Situation Event Console" with a critical error. The error is titled "KB1\_ibmslapd\_login\_DB2\_fail" and is categorized as "Critical" with a status of "Open". The source is "EmployeePROD:PW3G3:B1".

The "Situation Event Console" table shows the following details:

Severity	Status	Owner	Situation Name	Display Item	Source	Impa
Critical	Open		KB1_ibmslapd_login_DB2_fail		EmployeePROD:PW3G3:B1	Log

The "ibmslapd log" window shows a list of error messages:

Time	Component	Message Number	Severity	Message Text
Jun 23 07:12:07 2009	SRV	036	Error	Errors were encountered while starting the server; started
Jun 23 07:12:07 2009	SRV	040	Error	Server starting in configuration only mode due to errors.
Jun 23 07:12:07 2009	SRV	064	Error	Failed to initialize be_config.
Jun 23 07:12:07 2009	RDB	111	Error	The server is unable to use the username and password
Jun 23 07:12:07 2009	COM	014	Error	Failed to log on user: blah.
Jun 23 07:12:07 2009	COM	016	Error	Logon failure: unknown user name or bad password.
Jun 23 02:51:58 2009	SRV	036	Error	Errors were encountered while starting the server; started
Jun 23 02:51:56 2009	SRV	040	Error	Server starting in configuration only mode due to errors.
Jun 23 02:51:55 2009	SRV	064	Error	Failed to initialize be_config.
Jun 23 02:51:55 2009	RDB	111	Error	The server is unable to use the username and password
Jun 23 02:51:55 2009	COM	014	Error	Failed to log on user: blah.
Jun 23 02:51:55 2009	COM	016	Error	Logon failure: unknown user name or bad password.
Jun 19 16:33:21 2009	SRV	036	Error	Errors were encountered while starting the server; started
Jun 19 16:33:21 2009	SRV	040	Error	Server starting in configuration only mode due to errors.
Jun 19 16:33:21 2009	SRV	064	Error	Failed to initialize be_config.
Jun 19 16:33:21 2009	RDB	111	Error	The server is unable to use the username and password
Jun 19 16:33:21 2009	COM	014	Error	Failed to log on user: blah.
Jun 19 16:33:21 2009	COM	016	Error	Logon failure: unknown user name or bad password.
Jun 19 16:29:02 2009	SRV	036	Error	Errors were encountered while starting the server; started
Jun 19 16:29:02 2009	SRV	040	Error	Server starting in configuration only mode due to errors.
Jun 19 16:29:02 2009	SRV	064	Error	Failed to initialize be_config.
Jun 19 16:29:02 2009	RDB	111	Error	The server is unable to use the username and password
Jun 19 16:29:02 2009	COM	014	Error	Failed to log on user: blah.

The "Error Counts" window shows the following data:

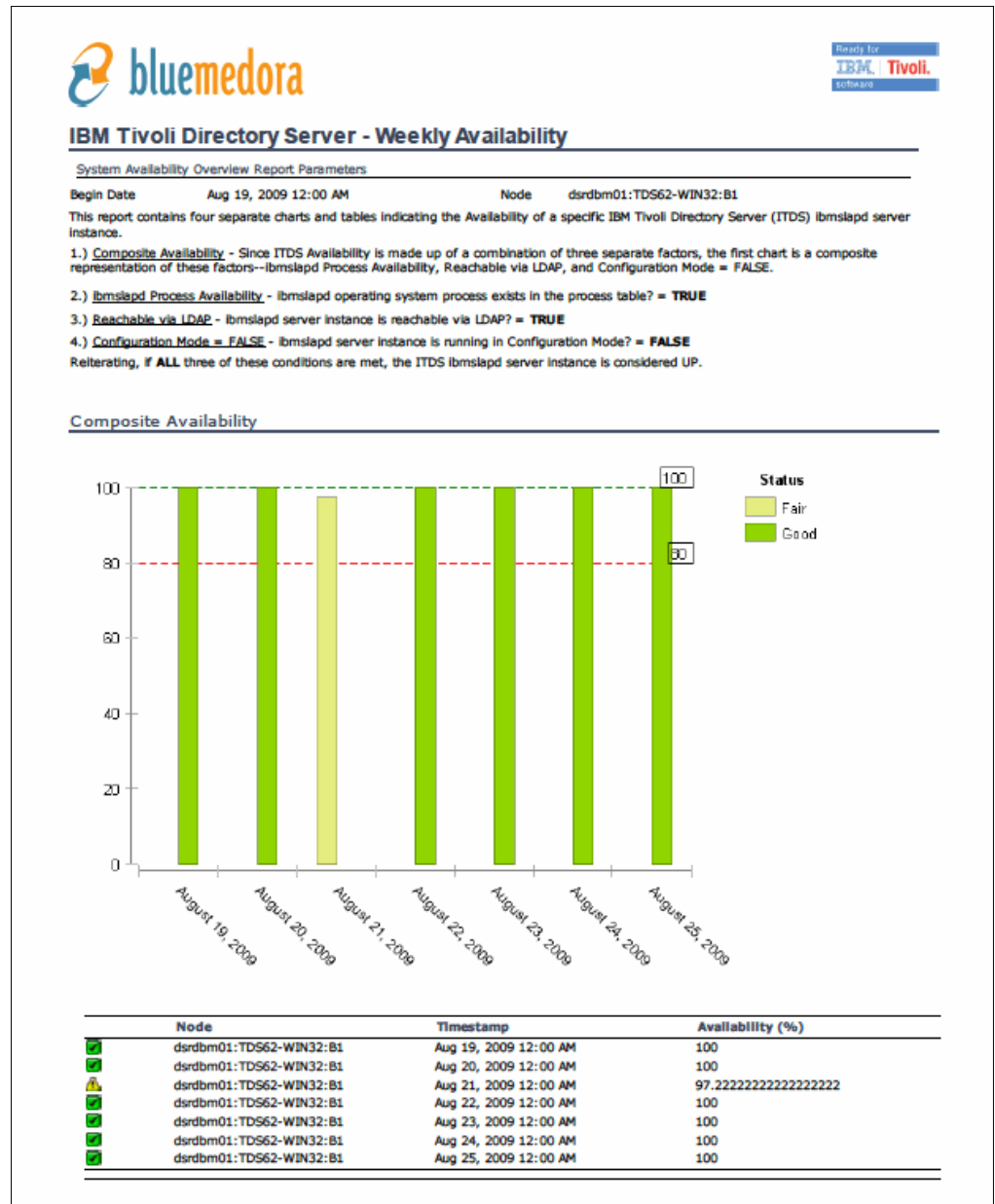
Slapd Cli Errors Messages	Slapd Error Log Messages
0	39

The interface also shows a "Navigator" pane on the left with a tree view of the system hierarchy, including "Enterprise", "Linux Systems", "UNIX Systems", "Windows Systems", "AW3G2", "PW3G3", "Tivoli Directory Server", "ContractorPROD::B1", "Availability", "Configuration", "Logs", "Replication", "Statistics", "dsrdbm01::B1", "EmployeePROD::B1", and "SupplierPROD::B1". The "Error Counts" window is also visible at the bottom left.

The system tray at the bottom shows the Start button, Hub Time: Tue, 06/23/2009 12:01 PM, Server Available, and the current window title: Logs - AW3G2 - SYSADMIN \*ADMIN MODE\*.

# TCR Reports for IBM® Tivoli® Directory Server (ITDS)

- Daily, Weekly, Monthly, and Yearly views of ITDS server availability
- Based on data collected by ITM and stored in the Tivoli® Data Warehouse
- IBM® Ready for Tivoli® certified



### **The ITDS Agent for ITM helps answer the following types of questions:**

- What is the availability of our ITDS Instances?
- What is the CPU, Memory, Disk, and Network utilization of the ITDS processes?
- How many LDAP and LDAP/SSL Connections is an ITDS servicing?
- Is there a problem with Replication between my ITDS instances?
- Why is my ITDS running on Configuration mode?
- Do we need to adjust the cache settings of the ITDS instance?
- Can I easily generate reports to look at how our ITDS instances have been performing over the last day, week, month, and year?



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- **Online Resources**

- Product Page >> <http://bluemedora.com/product/page/15>
- Product Demo >> [http://bluemedora.com/flash\\_demos/ITDS/](http://bluemedora.com/flash_demos/ITDS/)
- Blue Medora Blog >> <http://blog.bluemedora.com> (search “ITDS”)
- Documentation >> <http://bluemedora.com/documentation/TDS/docs/>
- Evaluation Download >> <http://bluemedora.com/evaluation>

- **IBM Tivoli Monitoring (ITM)**
  - ITM 6.2.0 FP3 +
  - ITM 6.2.1 FP2 +
  - ITM 6.2.2 +
- **IBM Tivoli Directory Server**
  - ITDS v6.1
  - ITDS v6.2
- **Operating systems**
  - Windows 2003 and 2008 (32 and 64-bit)
  - Red Hat Enterprise Linux 4 and 5 on Intel (32 and 64-bit)
  - Red Hat Enterprise Linux 4 and 5 on Power (64-bit)
  - Red Hat Enterprise Linux 4 and 5 on IBM zSeries (32 and 64-bit)
  - Suse Linux Enterprise Server (SLES) 10 and 11 on Intel (32 and 64-bit)
  - Suse Linux Enterprise Server (SLES) 10 and 11 on Power (64-bit)
  - Suse Linux Enterprise Server (SLES) 10 and 11 on IBM zSeries (32 and 64-bit)
  - AIX 5.3 and 6.1
  - Solaris 9 and 10 (Sparc)
  - HP-UX IA64

# ***Backup***

# ITDS Agent Dashboard



Tivoli Directory Server - AW3G2 - SYSADMIN \*ADMIN MODE\*

File Edit View Help

View: Physical

Enterprise

- Linux Systems
- UNIX Systems
- Windows Systems
  - AW3G2
    - PW3G3
      - Tivoli Directory Server
        - ContractorPROD::B1
        - dsrdbm01::B1
        - EmployeePROD::B1
        - SupplierPROD::B1
      - SDS63-WIN
      - TDS61-WIN

Physical

**Reachable**

Instance Reachable	Node
True	dsrdbm01:PW3G3:B1
False	ContractorPROD:PW3G3:B1
True	SupplierPROD:PW3G3:B1
True	EmployeePROD:PW3G3:B1

**Ports**

Node	Slapd Port	Slapd Secure Port	Admin Port	Admin Secure Port
dsrdbm01:PW3G3:B1	389	636	3538	3539
SupplierPROD:PW3G3:B1	1389	1636	3540	3541
EmployeePROD:PW3G3:B1	2389	2636	3542	3543

**Server Information**

Node	LDAP Service Name	Vendor Version	SLAPD Server Instance Name	SLAPD Configuration Mode
dsrdbm01:PW3G3:B1	pw3g3	6.2	dsrdbm01	FALSE
SupplierPROD:PW3G3:B1	pw3g3	6.2	dir2	FALSE
EmployeePROD:PW3G3:B1	pw3g3	6.2	ds4	TRUE

**Connections**

Node	Max Connections	Current Connections	Connection Utilization
dsrdbm01:PW3G3:B1	32767	29	0
SupplierPROD:PW3G3:B1	32767	4	0
EmployeePROD:PW3G3:B1	32767	3	0

**Errors**

Node	Slapd Error Log Messages	Slapd Cli Errors Messages
dsrdbm01:PW3G3:B1	72	2
SupplierPROD:PW3G3:B1	44	1
EmployeePROD:PW3G3:B1	39	0

**Work Queue**

Node	Available Workers	Current Work Queue Size
EmployeePROD:PW3G3:B1	14	0
SupplierPROD:PW3G3:B1	14	0
dsrdbm01:PW3G3:B1	14	0

Hub Time: Tue, 06/23/2009 11:32 AM

Server Available

Tivoli Directory Server - AW3G2 - SYSADMIN \*ADMIN MODE\*

Start

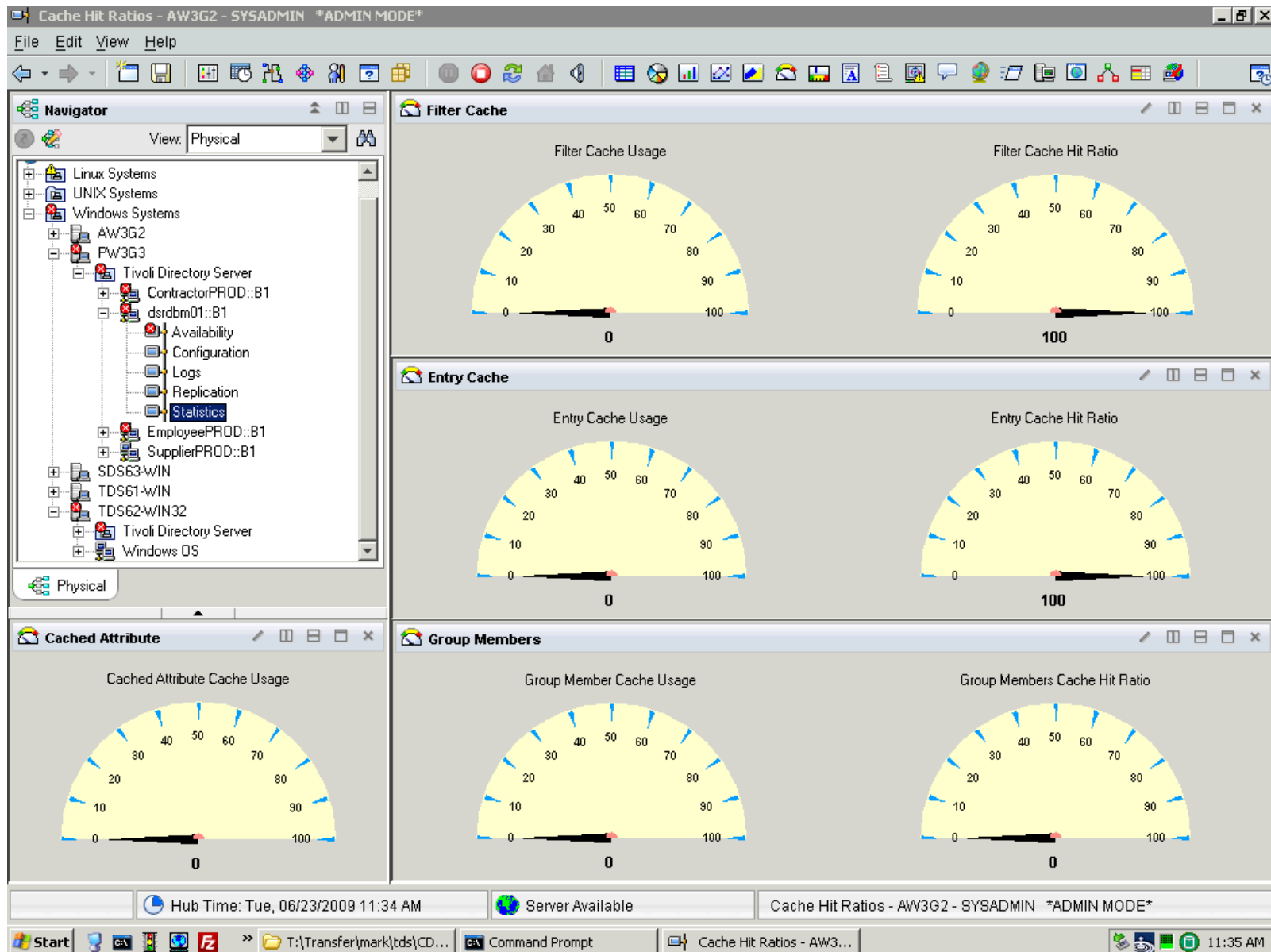
T:\Transfer\mark\tds\CD...

Command Prompt

Tivoli Directory Server - ...

11:33 AM

# Cache Usage and Hit Ratios



# LDAP Connections



Connections - AW3G2 - SYSADMIN \*ADMIN MODE\*

File Edit View Help

Navigator View: Physical

- PW3G3
  - Tivoli Directory Server
    - ContractorPROD::B1
      - dsrdm01::B1
        - Availability
        - Configuration
        - Logs
        - Replication
        - Statistics
      - EmployeePROD::B1
      - SupplierPROD::B1
    - SDS63-WIN
    - TDS61-WIN

Physical

Current Connections

Connection Utilization

0

Connections Since Server Started

Total Connections  
 Total SSL Connections  
 Total TLS Connections

Connections

Current Connections	Remaining Avail Connections	Total Connections	Total SSL Connections	Total TLS Connections	Idle Connections Closed	Auto Connection Cleaner Run	Connection Utilization	Entries Sent
28	32739	783	0	0	0	0	0	51269116

Hub Time: Tue, 06/23/2009 11:34 AM Server Available Connections - AW3G2 - SYSADMIN \*ADMIN MODE\*

Start [Taskbar icons] T:\Transfer\mark\tds\CD... Command Prompt Connections - AW3G2 - ... 11:34 AM

# LDAP Operations



Operations - Connections, Searches and Compares - AW3G2 - SYSADMIN \*ADMIN MODE\*

File Edit View Help

Navigator View: Physical

- Linux Systems
- UNIX Systems
- Windows Systems
- AW3G2
- PW3G3
- Tivoli Directory Server
  - ContractorPROD::B1
  - dsrdm01::B1
    - Availability
    - Configuration
    - Logs
    - Replication
    - Statistics
  - EmployeePROD::B1

Physical

### Search and Compare Operations

Category	Value
Compares Requested	~1,000,000
Compares Completed	~1,000,000
Searches Requested	~26,000,000
Searches Completed	~26,000,000

### Total Operations

Category	Value
Ops Initiated	~26,164,236
Ops Completed	~26,164,236

### Bind and Unbind Operations

Category	Value
Binds Requested	~798
Binds Completed	~798
Unbinds Requested	~798
Unbinds Completed	764

Hub Time: Tue, 06/23/2009 11:35 AM Server Available Operations - Connections, Searches and Compares - AW3G2 - SYSADMIN \*ADMIN MODE\*

Start T:\Transfer\mark\tds\CD... Command Prompt Operations - Connectio... 11:35 AM

# Statistics Overview



Statistics - AW3G2 - SYSADMIN \*ADMIN MODE\*

File Edit View Help

Navigator View: Physical

- Pw3G3
  - Tivoli Directory Server
    - ContractorPROD::B1
      - dsrdbm01::B1
        - Availability
        - Configuration
        - Logs
        - Replication
        - Statistics
      - EmployeePROD::B1
      - SupplierPROD::B1
    - SDS63-WIN
    - TDS61-WIN
    - TDS62-WIN32

Physical

Outstanding Operations

Legend:

- Operations Outstanding
- Operations Waiting
- Operations Deadlocked
- Operations Retried

Filter Cache Hit Ratio

100

Entry Cache Hit Ratio

100

Group Members Cache Hit Ratio

0

Connection Utilization

0

Connections

Max Connections	Current Connections	Connection Utilization
32767	28	0

Total Operations

Legend:

- Ops Initiated
- Ops Completed

Hub Time: Tue, 06/23/2009 11:34 AM

Server Available

Statistics - AW3G2 - SYSADMIN \*ADMIN MODE\*

Start

T:\Transfer\mark\tds\CD...

Command Prompt

Statistics - AW3G2 - SY...

11:34 AM

# Agent Situations



**Situation Editor**

**Situation Editor Assistance**

### Situation editor

Situations notify you when an event occurs on a managed system. Your monitoring product provides a set of predefined situations for your immediate use. You can view and edit these, and create others, in the Situation editor.

The Situation editor window is divided into two frames. The left frame contains the Situation tree, which shows the situations associated with the Navigator item from which the Situation editor was opened, or the situations for all installed monitoring products if you opened the editor from the toolbar. In the left frame:

Click	To
Situation name	View the situation and its definition in the editor.
Set Situation filter criteria	Identify a broader range of situations to show if you do not see the situation and you opened the Situation editor from the Navigator popup menu.
Create new Situation	Create a new situation
Create another Situation	Make a copy of the selected situation, with a new name and description.
Delete Situation	Delete the selected situation.

When you click a name in the Situation tree, or create a situation, the right frame is populated with several tabs. On these tabs you can view, edit, and delete the situation.

OK Cancel Apply Group... Help

# Replication Status



Replication - AW3G2 - SYSADMIN \*ADMIN MODE\*

File Edit View Help

Navigator View: Physical

- Enterprise
  - Linux Systems
  - UNIX Systems
  - Windows Systems
    - AW3G2
      - PW3G3
        - Tivoli Directory Server
          - ContractorPROD::B1
            - dsrdbm01::B1
              - Availability
              - Configuration
              - Logs
              - Replication

Physical

Pending Change Count

Replication Context	Supplier	Consumer	Master	On Hold	State	Quiesced	Pending Change Count	Failed Change Count
o=mp	cn=pw3g3:1389	cn=pw3g3.bluededora.localnet:389	TRUE	TRUE	connecting	FALSE	45930	0
o=mp2	cn=pw3g3:389	cn=tds62-win32.bluededora.localnet:389	FALSE	FALSE		FALSE	0	0
o=mp	cn=tds62-win32:389	cn=pw3g3.bluededora.localnet:389	TRUE	FALSE	ready	FALSE	0	0

Replication Agreements

Hub Time: Tue, 06/23/2009 12:07 PM Server Available Replication - AW3G2 - SYSADMIN \*ADMIN MODE\*

Start T:\Transfer\ITDS Screen... Command Prompt Replication - AW3G2 - S... 12:08 PM

# Instance Configuration



Configuration - AW3G2 - SYSADMIN \*ADMIN MODE\*

File Edit View Help

View: Physical

Linux Systems  
UNIX Systems  
Windows Systems  
AW3G2  
PW3G3  
Tivoli Directory Server  
ContractorPROD::B1  
dsrdbm01::B1  
Availability  
Configuration  
Logs  
Replication  
Statistics

Physical

**Features**

Feature	Enabled
Startup Trace Enabled	false
ACL Cache Enabled	
Allow Anon Enabled	
Enable Event Notification	
Enable Persistent Search	
Transaction Enabled	
Digest Enabled	
Backup Enabled	
VLV Enabled	

**Naming Contexts**

Naming Context
CN=SCHEMA
CN=CONFIGURATION
CN=LOCALHOST
CN=IBMPOLICIES
CN=DELETED OBJECTS
O=SAMPLE
O=BLUE MEDORA
O=MP
o=MP?

**Supported LDAP Version**

Supported LDAP Version
2
3

**Listener Information**

Slapd Port	Slapd Secure Port	Admin Port	Admin Secure Port	Size Limit	Time Limit	Idle Time Out	Conn Mgmt Idle Timeout	Write Time Out	Security	SSL Auth	Schema Check
389	636	3538	3539	500	900	300	300	10	none	serverauth	V3_lenient

**Server Information**

SLAPD Server Instance Name	LDAP Service Name	Vendor Name	Vendor Version	SLAPD Configuration Mode
dsrdbm01	pw3g3	International Business Machines (IBM)	6.2	<b>FALSE</b>

Hub Time: Tue, 06/23/2009 11:33 AM    Server Available    Configuration - AW3G2 - SYSADMIN \*ADMIN MODE\*

Start    T:\Transfer\mark\tds\CD...    Command Prompt    Configuration - AW3G2 ...    11:34 AM

# More Instance Configuration



Configuration Detail - AW3G2 - SYSADMIN \*ADMIN MODE\*

File Edit View Help

View: Physical

Navigator

- Linux Systems
- UNIX Systems
- Windows Systems
  - AW3G2
  - PW3G3
  - Tivoli Directory Server
    - ContractorPROD::B1
    - dsrdbm01::B1
      - Availability
      - Configuration**
      - Logs
      - Replication
      - Statistics

Physical

**Caches**

ACL Cache Enabled	ACL Cache Size	Entry Cache Size	Filter Cache Bypass Limit	Filter Cache Size
TRUE	25000	25000	100	25000

**Transactions**

Transaction Enabled	Max Num Of Transactions	Max Op Per Transaction	Max Time Between Prepare And Commit	Max Time Limit Of Transactions
TRUE	20	5	2	300

**Miscellaneous**

Server ID	Allow Anon Enabled	All Reaping Threshold	Anon Reaping Threshold	Bound Reaping Threshold	Max Pending Changes Displayed	Repl Context Cache Size	Repl Max Errors	Schema Check
9edb3f5a-75a9-4947-91d1-cc20ad9df1a4	TRUE	1200	0	1100	200	100000	0	V3_lenient

Hub Time: Tue, 06/23/2009 11:48 AM

Server Available

Configuration Detail - AW3G2 - SYSADMIN \*ADMIN MODE\*

Start | T:\Transfer\ITDS Screen... | Command Prompt | Configuration Detail - A... | 11:49 AM

# ITDS Logs



Logs - AW3G2 - SYSADMIN \*ADMIN MODE\*

File Edit View Help

View: Physical

**Navigator**

- Enterprise
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            - Replication
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          - SupplierPROD::B1

**Situation Event Console**

(Active) Total Events: 1 Item Filter: Logs

Severity	Status	Owner	Situation Name	Display Item	Source	Impa
Critical	Open		KB1_ibmslapd_login_DB2_fail		EmployeePROD:PW3G3:B1	Log

**ibmslapd log**

Time	Component	Message Number	Severity	Message Text
Jun 23 07:12:07 2009	SRV	036	Error	Errors were encountered while starting the server, started
Jun 23 07:12:07 2009	SRV	040	Error	Server starting in configuration only mode due to errors.
Jun 23 07:12:07 2009	SRV	064	Error	Failed to initialize be_config.
Jun 23 07:12:07 2009	RDB	111	Error	The server is unable to use the username and password
Jun 23 07:12:07 2009	COM	014	Error	Failed to log on user: blah.
Jun 23 07:12:07 2009	COM	016	Error	Logon failure: unknown user name or bad password.
Jun 23 02:51:58 2009	SRV	036	Error	Errors were encountered while starting the server, started
Jun 23 02:51:56 2009	SRV	040	Error	Server starting in configuration only mode due to errors.
Jun 23 02:51:55 2009	SRV	064	Error	Failed to initialize be_config.
Jun 23 02:51:55 2009	RDB	111	Error	The server is unable to use the username and password
Jun 23 02:51:55 2009	COM	014	Error	Failed to log on user: blah.
Jun 23 02:51:55 2009	COM	016	Error	Logon failure: unknown user name or bad password.
Jun 19 16:33:21 2009	SRV	036	Error	Errors were encountered while starting the server, started
Jun 19 16:33:21 2009	SRV	040	Error	Server starting in configuration only mode due to errors.
Jun 19 16:33:21 2009	SRV	064	Error	Failed to initialize be_config.
Jun 19 16:33:21 2009	RDB	111	Error	The server is unable to use the username and password
Jun 19 16:33:21 2009	COM	014	Error	Failed to log on user: blah.
Jun 19 16:33:21 2009	COM	016	Error	Logon failure: unknown user name or bad password.
Jun 19 16:29:02 2009	SRV	036	Error	Errors were encountered while starting the server, started
Jun 19 16:29:02 2009	SRV	040	Error	Server starting in configuration only mode due to errors.
Jun 19 16:29:02 2009	SRV	064	Error	Failed to initialize be_config.
Jun 19 16:29:02 2009	RDB	111	Error	The server is unable to use the username and password
Jun 19 16:29:02 2009	COM	014	Error	Failed to log on user: blah.

**Error Counts**

Slapd Cli Errors	Slapd Error Messages	Slapd Error Log Messages
0	0	39

Hub Time: Tue, 06/23/2009 12:01 PM Server Available Logs - AW3G2 - SYSADMIN \*ADMIN MODE\*

Start T:\Transfer\ITDS Screen... Command Prompt Logs - AW3G2 - SYSAD... 12:02 PM

# ITDS Agent TCR Report – Daily Availability



## IBM Tivoli Directory Server - Daily Availability

### System Availability Overview Report Parameters

Date Aug 21, 2009 12:00 AM Node dsrdbm01:TDS62-WIN32:B1

This report contains four separate charts and tables indicating the Availability of a specific IBM Tivoli Directory Server (ITDS) ibmslapd server instance.

1.) **Composite Availability** - Since ITDS Availability is made up of a combination of three separate factors, the first chart is a composite representation of these factors--ibmslapd Process Availability, Reachable via LDAP, and Configuration Mode = FALSE.

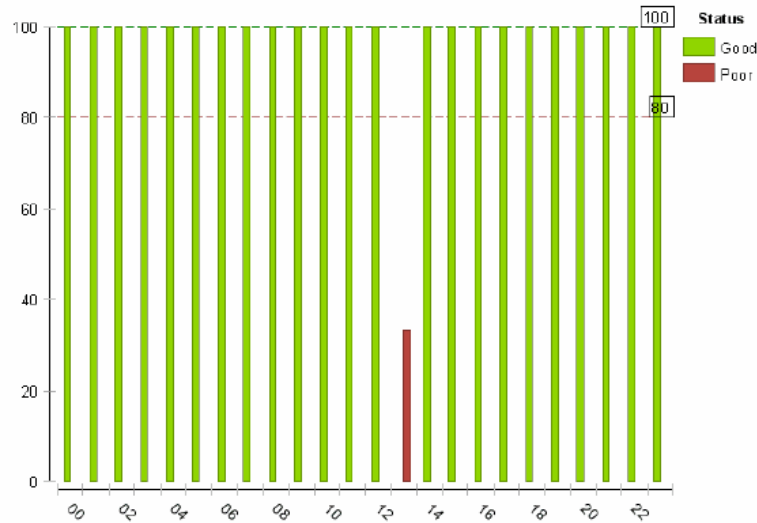
2.) **ibmslapd Process Availability** - ibmslapd operating system process exists in the process table? = **TRUE**

3.) **Reachable via LDAP** - ibmslapd server instance is reachable via LDAP? = **TRUE**

4.) **Configuration Mode = FALSE** - ibmslapd server instance is running in Configuration Mode? = **FALSE**

Reiterating, if **ALL** three of these conditions are met, the ITDS ibmslapd server instance is considered UP.

### Composite Availability



	Node	Hour	Availability
✓	dsrdbm01:TDS62-WIN32:B1	00	100
✓	dsrdbm01:TDS62-WIN32:B1	01	100
✓	dsrdbm01:TDS62-WIN32:B1	02	100
✓	dsrdbm01:TDS62-WIN32:B1	03	100
✓	dsrdbm01:TDS62-WIN32:B1	04	100
✓	dsrdbm01:TDS62-WIN32:B1	05	100
✓	dsrdbm01:TDS62-WIN32:B1	06	100
✓	dsrdbm01:TDS62-WIN32:B1	07	100