

# IBM Tivoli Composite Application Manager for Applications V6.2.4

Verifying situation data kdstsns utility introduction



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IBM Tivoli® Composite Application Manager for Applications V6.2.4, Verifying situation data kdstsns utility introduction

## Assumptions

Before you proceed, the module designer assumes that you have the following skills and knowledge:

- Basic SQL knowledge
- IBM Tivoli Monitoring and IBM Tivoli Composite Application Manager situation building knowledge
- Understanding of IBM Tivoli Monitoring and IBM Tivoli Composite Application Manager attribute groups and attributes that are used in building situations

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## Objectives

When you complete this module, you can perform the following tasks:

- Validate data being evaluated in IBM Tivoli Monitoring and IBM Tivoli Composite Application Manager situations
- Run SQL queries using kdstsns against the hub\_TEMS database tables
- Build SQL queries using a specific agent's attribute file

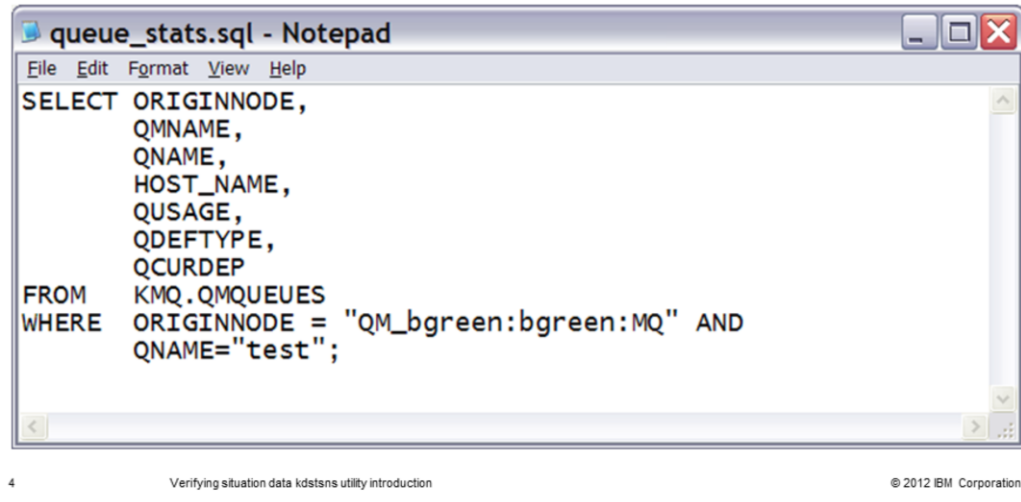
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## Creating the SQL file

- Create a sql file to run a query against the hub\_TEMS DB tables



```
queue_stats.sql - Notepad
File Edit Format View Help
SELECT ORIGINNODE,
        QMNAME,
        QNAME,
        HOST_NAME,
        QUSAGE,
        QDEFTYPE,
        QCURDEP
FROM    KMQ.QMQUEUES
WHERE   ORIGINNODE = "QM_bgreen:bgreen:MQ" AND
        QNAME="test";
```

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The query is against the MQ agent to pull some basic information about a queue and get its current depth. A person running situations against **queue name**, **queue type**, and **current depth** might be interested to validate the values a situation is using.

Save the SQL file to one of the following locations:

- Windows® Systems:

%CANDLE\_HOME%/CMS/sqllib

%CANDLE\_HOME%/cnps/sqllib

- UNIX® or Linux® Systems:

/<install\_dir>/<arch>/ms/sqllib

/<install\_dir>/<arch>/cnps/sqllib

## Building SQL queries

```

entr ATTR
name Queue_Definitions.Origin_Node
affi 0004000000000000000000000000000000000000000000000000000000000000##0000000000
appl KMQ
aplv 01
stmp 1110326113333000
cvrm 7.0.1
lvrn 7.0.1
tabl QMQUEUE
mult 1
samp 3
doop Y
colu ORIGINNODE
type 2
slng 128
msid KMQ0302
opgr 2048
atid 01301513
//
  
```

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The agent attribute file contains all the attributes available. The name tag shows the workspace and column name you will see in the portal. The table tag illustrated shows the actual table name in the database to use for your query. The agent product ID and the table name are used: KMQ.QMQUEUE.

- Windows: %Candle\_Home%/cnps/cmsatr or %Candle\_Home%/cms/attrlib
- UNIX or Linux: /<install\_dir>/<arch>/cq/tables/ATTRLIB/

Every IBM Tivoli Monitoring and IBM Tivoli Composite Application Manager agent has an attribute file which can be used similar to the example.

## Run the query

```

Command Prompt - kdstdns
Enter SQL member name <or "end" to quit> ... queue_stats.sql
Library Name: C:\IBM\ITM\CMS\SQLLIB
Member Name: queue_stats.sql

SELECT ORIGINNODE,
       QMNAME,
       QNAME,
       HOST_NAME,
       QUSAGE,
       QDEFTYPE,
       QCURDEP
FROM   KMQ.QMQUEUES
WHERE  ORIGINNODE = "QM_bgreen::MQ" AND
       QNAME="test.queue";

/***** Create Request Was Done *****/
/***** Create Request Was Done *****/

QM_bgreen::MQ
           test.queue           0      QM_bgreen      1      0      BGREEN

Row Count: 1

Total Libraries Processed: 1
Total Members Processed: 1
Total SQLs Processed: 1
Total Errors Encountered: 0

Enter SQL member name <or "end" to quit> ...

```

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The kdstdns utility locations:

- Windows Systems:

%CANDLE\_HOME%/CMS/

%CANDLE\_HOME%/CNPS/

- UNIX or Linux Systems:

/<install\_dir>/<arch>/ms/

/<install\_dir>/<arch>/cnps/

1. Run the utility from the command line.

techdoc on **kdstdns parameters**: <http://www-03.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/TD104384>.

2. Give the utility the sql file name: queue\_stats.sql.

The query is issued against the TEMS tables and the values are returned to the command line in this case.

originnode=QM\_bgreen::MQ, qmname=QM\_bgreen, qname=test.queue,  
host\_hame=BGREEN, qusage=0(normal), qdeftype=1(predefined), qcurdep=0

## Summary

Now that you have completed this module, you can perform the following tasks:

- Validate data being evaluated in IBM Tivoli Monitoring and IBM Tivoli Composite Application Manager situations
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