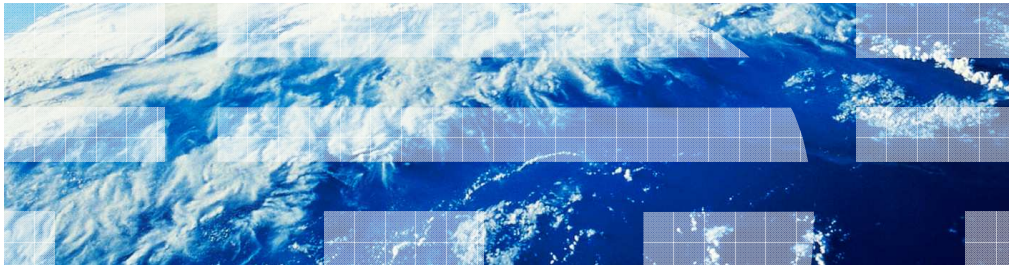


# IBM Tivoli Netcool Performance Manager for Wireless 9.2.1

## Creating a stored busy hour report



IBM Tivoli® Netcool® Performance Manager for Wireless version 9.2.1

Creating a stored busy hour report

## Assumptions

You have basic knowledge of the wireless telecommunications industry.

You know how to navigate the IBM Tivoli Netcool Performance Manager for Wireless graphical user interface.

You know how to make a basic IBM Tivoli Netcool Performance Manager for Wireless report.

## Assumptions

You have basic knowledge of the wireless telecommunications industry.

You know how to navigate the ITNPMW graphical user interface.

You know how to make a basic ITNPMW report.

## Objectives

Upon completion of this module, you should be able to:

- Describe IBM Tivoli Netcool Performance Manager for Wireless 9.2.1 Stored Busy Hour Reporting
- Create an IBM Tivoli Netcool Performance Manager for Wireless stored busy hour report

## Objectives

Upon completion of this module, you should be able to:

Describe IBM Tivoli Netcool Performance Manager for Wireless (ITNPMW) 9.2.1 stored busy hour reporting

Create an ITNPMW stored busy hour report

## Module outline

- Busy hour overview
- Creating an IBM Tivoli Netcool Performance Manager for Wireless stored busy hour report
- Summary

## Module outline

ITNPMW stored busy hour reporting overview

Creating an ITNPMW stored busy hour report

Summary

## What is a busy hour

- Definition of **busy hour**
- The time periods of a busy hour
- Computing **busy hour**

### What is a busy hour

A **busy hour** represents the period with the greatest value for any performance metric as represented by a field for a defined period of time.

The time period can be daily, weekly, or monthly.

When a **busy hour** is computed, it yields a single busy hour value for the defined period.

## Stored busy hour reporting

- IBM Tivoli Netcool Performance Manager for Wireless can compute and store data for the busiest hour
- Stored busy hour (SBH) table updates
- Database's stored busy hour tables

### Stored busy hour reporting

ITNPMW can compute and store data for the busiest hour of the day, week, or month based on a busy hour definition that includes: the designated busy hour determiner and associated fields values.

Stored busy hour (SBH) tables are updated, usually nightly, for the defined time period.

Upon generation the busy hour data is stored as fields within the database's stored busy hour tables for future reference.

## Valid stored busy hour (SBH) report field type combinations

Valid field type combinations supported in IBM Tivoli Netcool Performance Manager for Wireless stored busy hour report definitions:

- SBH fields
- SBH and Attribute fields
- SBH and Summary fields
- SBH, Attribute, and Summary fields

### Valid Stored Busy Hour (SBH) Report Field Type Combinations

The following field type combinations are supported in ITNPMW stored busy hour report definitions:

SBH fields

SBH and Attribute fields

SBH and Summary fields

SBH, Attribute, and Summary fields

## Stored busy hour reporting overview

- Similar creation process as basic report
- Field selection window
  - Selecting field type
  - Fields selected

### ITNPMW stored busy hour reporting overview

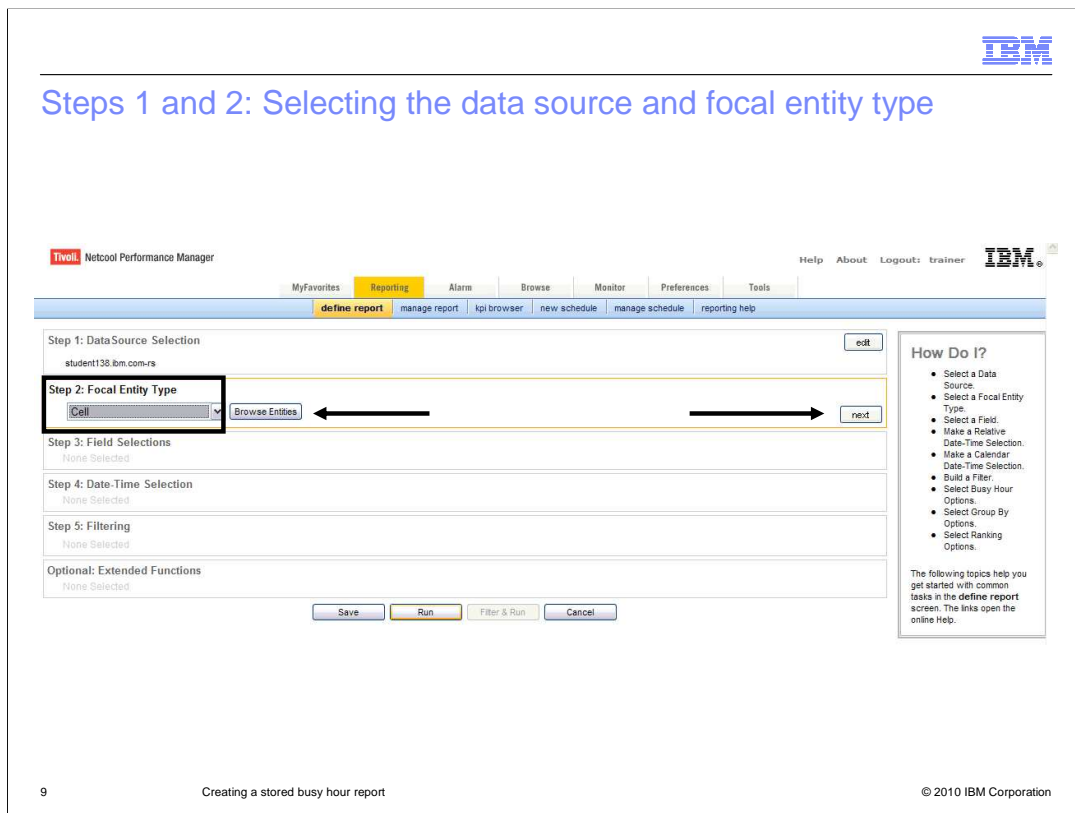
Similar creation process as basic report

Key difference is in Field Selection window -

Select field type to filter interface to display configured stored busy hours

Field selected are either stored busy hour determiner or value






## Steps 1 and 2: Selecting the datasource and focal entity type

### Step 1: Data source selection


Select the data source is the same manner as a basic report


### Step 2: focal entity type

The focal entity must be the same as the focal entity of the stored busy hour definition. Once the focal entity is selected click the Next button.



## Step 3: Field selections (1 of 3)

 **Netcool Performance Manager**

[Help](#) [About](#) [Logout: trainer](#)


Myfavorites
Reporting
Alarm
Browse
Monitor
Preferences
Tools

define report
manage report
kpi browser
new schedule
manage schedule
reporting help

**Step 1: DataSource Selection**  
 student136.ibm.com-ra edit

**Step 2: Focal Entity Type**  
 Cell edit

**Step 3: Field Selections**  

more

next

**Step 4: Date-Time Selection**  
 None Selected

**Step 5: Filtering**  
 None Selected

**Optional: Extended Functions**  
 None Selected

**How Do I?**

- Select a Data Source.
- Select a Focal Entity Type.
- Select a Field.
- Make a Relative Date-Time Selection.
- Make a Calendar Date-Time Selection.
- Build a Filter.
- Select Busy Hour Options.
- Select Group By Options.
- Select Ranking Options.

The following topics help you get started with common tasks in the **define report** screen. The links open the online Help.

10
Creating a stored busy hour report
© 2010 IBM Corporation

### Step 3: Field selections

In this section of the report definition you must select the busy hour definition of interest and the associated fields of interest for display in the stored busy hour report.

Click the **more** button in **Step 3: Field Selection** to access the available stored busy hour definitions.

## Step 3: Field selections (2 of 3)

**Step 3: Field Selections**

Entity: **Cell** Find Entity Vendor: **Nokia**

Technology: <All Technology Type> Field Type: **Daily SBH** SBH Definition: **Cell\_HSCSD\_Traffic\_Busy\_Hour**

Filter: \* ☐ Extended Search Refresh Fields

Groups: Standard

Group	Name	User Defined Group	Alias	Description	Source
Nokia.Resource_Availability	sbhd.daily.ave_busy_tch_hscsd			The average of :	
Nokia.High_Speed_Data	sbhv.daily.ala_from_14400_to_9600			The number of #	
Nokia.High_Speed_Data	sbhv.daily.ala_from_9600_to_14400			The number of #	
Nokia.Resource_Availability	sbhv.daily.ave_busy_tch_hscsd			The average of :	

Drag the fields you wish to report on here:

Group	Name	Description	Source	Data Avail.	Technology	Vendor	Entity	Field Ty

11

Creating a stored busy hour report

© 2010 IBM Corporation

## In Step 3: Field Selections (continued)

1. Set the **Entity** field to the entity level of the stored busy hour definition. In this example the level is cell.
2. Set the **Field Type** to the type of stored busy hour, either Daily SBH, Weekly SBH, or Monthly SBH.
3. Optionally set the Vendor filter to display only stored busy hour definitions for a particular vendor. In the example the applicable vendor filter is Nokia.
4. Click the **Refresh Fields** button to filter the fields view to display the applicable busy hour determiner and busy hour field values.
5. Note: The stored busy hour determiner has the prefix **sbhd** added to its name. The field associated with the busy hour determiner have the prefix **sbhv** added to their names.

### Step 3: Field selections (3 of 3)

**Step 3: Field Selections**

Entity:  Find Entity Vendor:

Technology:  Field Type:  SBH Definition:

Filter:  ☐ Extended Search

Groups:

Group	Name	User Defined Group	Alias	Description	Source
Nokia.Resource_Availability	sbhd.daily.ave_busy_tch_hscsd			The average of :	
Nokia.High_Speed_Data	sbhv.daily.ala_from_14400_to_9600			The number of :	
Nokia.High_Speed_Data	sbhv.daily.ala_from_9600_to_14400			The number of :	
Nokia.Resource_Availability	sbhv.daily.ave_busy_tch_hscsd			The average of :	

Drag the fields you wish to report on here:

Group	Name	Description	Source	Data Avail.	Technology	Vendor	Entity	Field Ty
Nokia.Resource_Availability	sbhd.daily.ave_busy_tch_	The average of :		None	GSM	Nokia	Cell	Daily SB
Nokia.High_Speed_Data	sbhv.daily.ala_from_144C	The number of :		None	GSM	Nokia	Cell	Daily SB

12

Creating a stored busy hour report

© 2010 IBM Corporation

### In Step 3: Field Selections (continued)

1. Drag and drop the desired field selections for the report run into the lower box.

Note: It is not required to include the busy hour determiner in your report but including it will make it easier to interpret the report results.

2. Click the **next** button after selecting and moving the desired report run fields.

## Completing the report definition

The screenshot displays a multi-step configuration window for creating a report. The interface is divided into three main sections, each with an 'edit' button in the top right corner.

- Step 4: Date-Time Selection** (highlighted with a black box): This section contains a 'Selected Date-Times' table with the following data:
 

7 Day(s)	00:00-24:00
Start Of Week: Default (Sunday)	
Include holidays	
Mon,Tue,Wed,Thu,Fri,Sat,Sun	
- Step 5: Filtering** (circled in red): This section shows 'None Selected'.
- Optional: Extended Functions** (highlighted with a black box): This section includes three sub-sections:
  - Group by**: A text field containing 'Attribute And Time: Cell\_Cell\_Id, Day'.
  - Ranking**: A text field containing 'None selected'.

At the bottom of the window, there are four buttons: 'Save', 'Run', 'Filter & Run', and 'Cancel'.

13

Creating a stored busy hour report

© 2010 IBM Corporation

## Completing the report definition

### 1. In **Step 4: Date Time Selection**

Select the applicable date-time parameters for your report in the same manner as a basic report.

### 2. In **Step 5: Filtering**

Optional: Set any applicable network, traffic, and vendor filters in the same manner as a basic report.

### 3. **Optional: Extended Functions**

Optional: Use the default Group By setting of FocalEntity.Entity\_ID and Day or select the applicable options to focus busy hour reporting on specific attribute and time groupings.

4. Click the Save button to save the report or run the report immediately by clicking the Run or Filter & Run button.

## Stored busy hour report results

Table View Show/Hide

Show/Hide Settings

☐ Show all key columns

Click on an entity or use search to filter

Selected Entities: Search: 1/36

1-1-1-1-1  
1-1-1-1-2  
1-1-1-1-3  
1-1-2-1  
1-1-2-2

☐ Sort by multiple:

Field 1:  Order 1:  Asc

Field 2:  Order 2:  Asc

Field 3:  Order 3:  Asc

Apply

page 1 of 3 go

CELL_CELL_ID	T_DAY	Cell_Cell_HSCSD_Traffic_Busy_Hour_Hour	DAILY_AVE_BUSY_TCH_H...	DAILY_ALA_FRC
1-1-1-1	1/26/10	18:00	4.707	4703
1-1-1-1	1/26/10	06:00	3.728	3049
1-1-1-1	1/27/10	06:00	4.642	4123
1-1-1-1	1/28/10	09:00	4.005	2400
1-1-1-1	1/28/10	01:00	4.676	3781
1-1-1-1	1/30/10	22:00	4.157	2770
1-1-1-1	1/31/10	14:00	3.821	2157
1-1-1-2	1/25/10	16:00	4.493	3636
1-1-1-2	1/26/10	00:00	4.285	4030
1-1-1-2	1/27/10	17:00	4.191	4750
1-1-1-2	1/28/10	00:00	4.151	6287
1-1-1-2	1/28/10	00:00	3.671	3890
1-1-1-2	1/30/10	01:00	4.29	2311
1-1-1-2	1/31/10	06:00	3.756	3532
1-1-1-3	1/25/10	12:00	3.725	3978
1-1-1-3	1/26/10	14:00	3.926	3496
1-1-1-3	1/27/10	09:00	4.397	2708
1-1-1-3	1/28/10	19:00	4.336	2059
1-1-1-3	1/28/10	10:00	4.488	4668
1-1-1-3	1/30/10	23:00	3.701	4562
1-1-1-3	1/31/10	22:00	4.836	5206
1-1-2-1	1/25/10	12:00	3.44	2709
1-1-2-1	1/26/10	08:00	3.969	2320
1-1-2-1	1/27/10	18:00	3.632	4611
1-1-2-1	1/28/10	15:00	4.125	3469
1-1-2-1	1/28/10	05:00	3.889	1783
1-1-2-1	1/30/10	14:00	3.617	3423
1-1-2-1	1/31/10	07:00	3.711	4809
1-1-2-2	1/25/10	13:00	4.399	1989
1-1-2-2	1/26/10	15:00	4.679	2899
1-1-2-2	1/27/10	12:00	4.128	3642
1-1-2-2	1/28/10	07:00	4.690	4100
1-1-2-2	1/28/10	00:00	4.121	5612
1-1-2-2	1/30/10	23:00	4.065	4036
1-1-2-2	1/31/10	11:00	4.262	3975

14 Creating a stored busy hour report © 2010 IBM Corporation

## Stored busy hour report results

The stored busy hour report output displays the busiest hour for each cell over the selected 7-day period.

## Summary

Now that you have completed this module, you should be able to:

- Describe IBM Tivoli Netcool Performance Manager for Wireless 9.2.1 stored busy hour reporting
- Create an IBM Tivoli Netcool Performance Manager for Wireless stored busy hour report

## Summary

Now that you have completed this module, you should be able to:

Describe IBM Tivoli Netcool Performance Manager for Wireless (ITNPMW) 9.2.1 stored busy hour reporting

Create an ITNPMW stored busy hour report



## Training roadmap for IBM Tivoli Netcool Performance Manager for Wireless

- Click this link to go to the training page

[http://www-01.ibm.com/software/tivoli/education/edu\\_prd.html](http://www-01.ibm.com/software/tivoli/education/edu_prd.html)

- Click this link for the section on

[IBM Tivoli Netcool Performance Manager for Wireless](#)

Training roadmap for IBM Tivoli Netcool Performance Manager for Wireless

Click this link to go to the training page.

Click this link for the section on IBM Tivoli Netcool Performance Manager for Wireless.



## Feedback

Your feedback is valuable

You can help improve the quality of IBM Education Assistant content to better meet your needs by providing feedback.

- Did you find this module useful?
- Did it help you solve a problem or answer a question?
- Do you have suggestions for improvements?

Click to send e-mail feedback:

[mailto:iea@us.ibm.com?subject=Feedback about create\\_sbh\\_rpt.ppt](mailto:iea@us.ibm.com?subject=Feedback about create_sbh_rpt.ppt)

This module is also available in PDF format at: [../create\\_sbh\\_rpt.pdf](create_sbh_rpt.pdf)

You can help improve the quality of IBM Education Assistant content by providing feedback.



## Trademarks, disclaimer, and copyright information

IBM, the IBM logo, ibm.com, Netcool, and Tivoli are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of other IBM trademarks is available on the Web at "[Copyright and trademark information](http://www.ibm.com/legal/copytrade.shtml)" at <http://www.ibm.com/legal/copytrade.shtml>

THE INFORMATION CONTAINED IN THIS PRESENTATION IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. WHILE EFFORTS WERE MADE TO VERIFY THE COMPLETENESS AND ACCURACY OF THE INFORMATION CONTAINED IN THIS PRESENTATION, IT IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. IN ADDITION, THIS INFORMATION IS BASED ON IBM'S CURRENT PRODUCT PLANS AND STRATEGY, WHICH ARE SUBJECT TO CHANGE BY IBM WITHOUT NOTICE. IBM SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES ARISING OUT OF THE USE OF, OR OTHERWISE RELATED TO, THIS PRESENTATION OR ANY OTHER DOCUMENTATION. NOTHING CONTAINED IN THIS PRESENTATION IS INTENDED TO, NOR SHALL HAVE THE EFFECT OF, CREATING ANY WARRANTIES OR REPRESENTATIONS FROM IBM (OR ITS SUPPLIERS OR LICENSORS), OR ALTERING THE TERMS AND CONDITIONS OF ANY AGREEMENT OR LICENSE GOVERNING THE USE OF IBM PRODUCTS OR SOFTWARE.

© Copyright International Business Machines Corporation 2010. All rights reserved.