|  |
| --- |
| EPAM Systems, RD Dep. |
| MTN.BI.08 Fact Table Techniques |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| REVISION HISTORY | | | | | |
| Ver. | Description of Change | Author | Date | Approved | |
| Name | Effective Date |
| 1.0 | Initial status | [Kiryl Bucha](mailto:Kiryl_Bucha@epam.com) | 12-JAN-2012 |  |  |
| 2.0 | Updated in accordance with renewed content | [Elias Nema](mailto:Elias_Nema@epam.com) | 20-JAN-2014 |  |  |

Contents

[1. Data 3](#_Toc384328672)

[2. Advanced Grouping tasks – Reports 3](#_Toc384328673)

[2.1. Create Test AdHoc SQL - Daily Report (CUBE) 3](#_Toc384328674)

[2.2. Create Test AdHoc SQL – ROLLUP by Time 3](#_Toc384328675)

# Data

The Main Task is to generate test data on Storage layers objects that was created on task 01.

Task Results:

* Scripts put on Git
* Storage Layers Objects test data select screenshots

# Advanced Grouping tasks – Reports

## Create Test AdHoc SQL - Daily Report (CUBE)

The Main Task is to create adhoc SQL script, which will calculate Daily Reports (According report layouts on Module 7).

Requirements:

* Use CUBE Extension, ROLLUP, Grouping(), Grouping\_ID functions

Task Results:

* Create document that will compare script results and report layouts
* Put scripts on Git

## Create Test AdHoc SQL – ROLLUP by Time

The Main Task is to create adhoc SQL script, which will calculate Time Based Reports

Calculate measurements by next levels:

* DAY
* MONTH
* QUARTER
* YEAR

Requirements:

* USE: ROLLUP
* USE: Grouping() function
* USE: Grouping\_ID function

Task Results:

* Create document that will show script results
* Put scripts on Git