

SSAS Administration Installation and Configuration Basics

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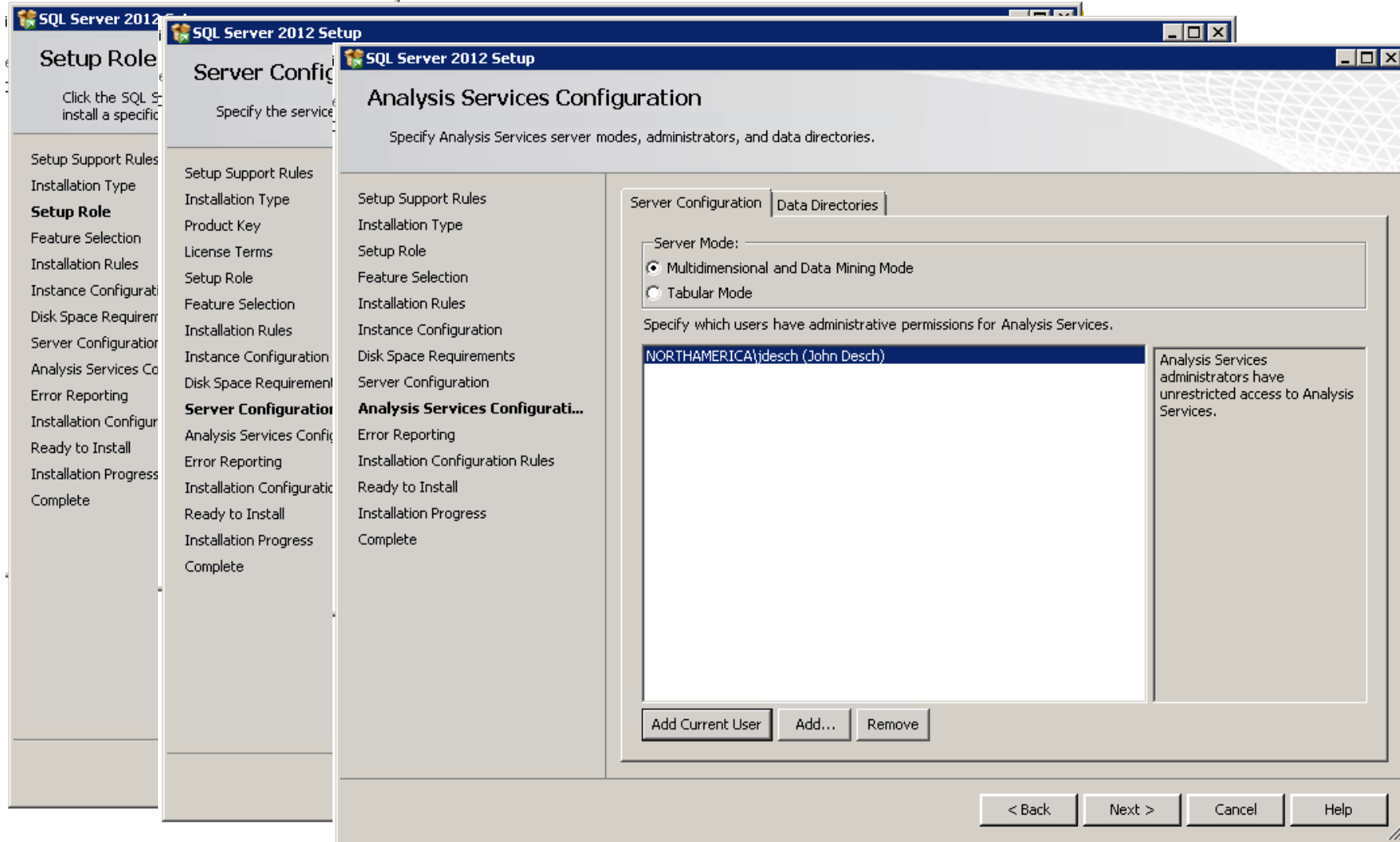
Agenda

Installation and Initial Configuration
Managing Post Setup Configuration
Changes
Firewalls, Ports and Configuring HTTP
Access



Installation and Initial Configuration

Installation



Initial Configuration

SQL Server 2012 Setup

Analysis Services Configuration

Specify Analysis Services server modes, administrators, and data directories.

Setup Support Rules
Installation Type
Setup Role
Feature Selection
Installation Rules
Instance Configuration
Disk Space Requirements
Server Configuration
Analysis Services Configurati...
Error Reporting
Installation Configuration Rules
Ready to Install
Installation Progress
Complete

Server Configuration | **Data Directories**

Specify the data directories for SQL Server Analysis Services.

Data directory: C:\Program Files (x86)\Microsoft SQL Server\MSAS11.FUDDY\OLAP\Data ...




Log file directory: C:\Program Files (x86)\Microsoft SQL Server\MSAS11.FUDDY\OLAP\Log ...

Temp directory: C:\Program Files (x86)\Microsoft SQL Server\MSAS11.FUDDY\OLAP\Temp ...

Backup directory: C:\Program Files (x86)\Microsoft SQL Server\MSAS11.FUDDY\OLAP\Backup ...

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Server Modes

- +  (local) (Microsoft Analysis Server 11.0.2218.0 - NORTHAMERICA\jdesch)
- +  localhost\tabular (Microsoft Analysis Server 11.0.2218.0 - NORTHAMERICA\jdesch)
- +  localhost\powerpivot (Microsoft Analysis Server 11.0.2100.60 - NORTHAMERICA\jdesch)

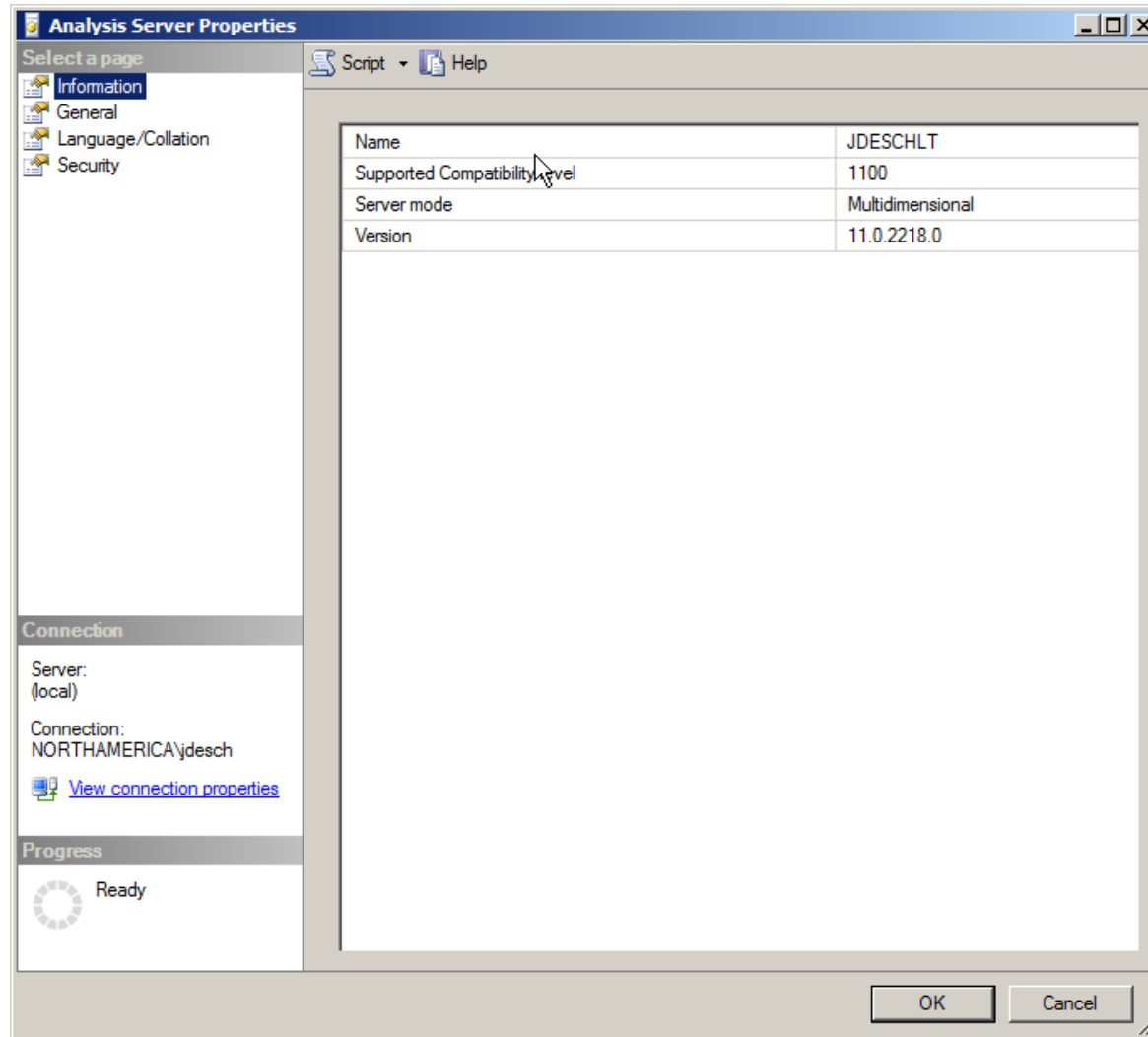
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<DeploymentMode>2</DeploymentMode>

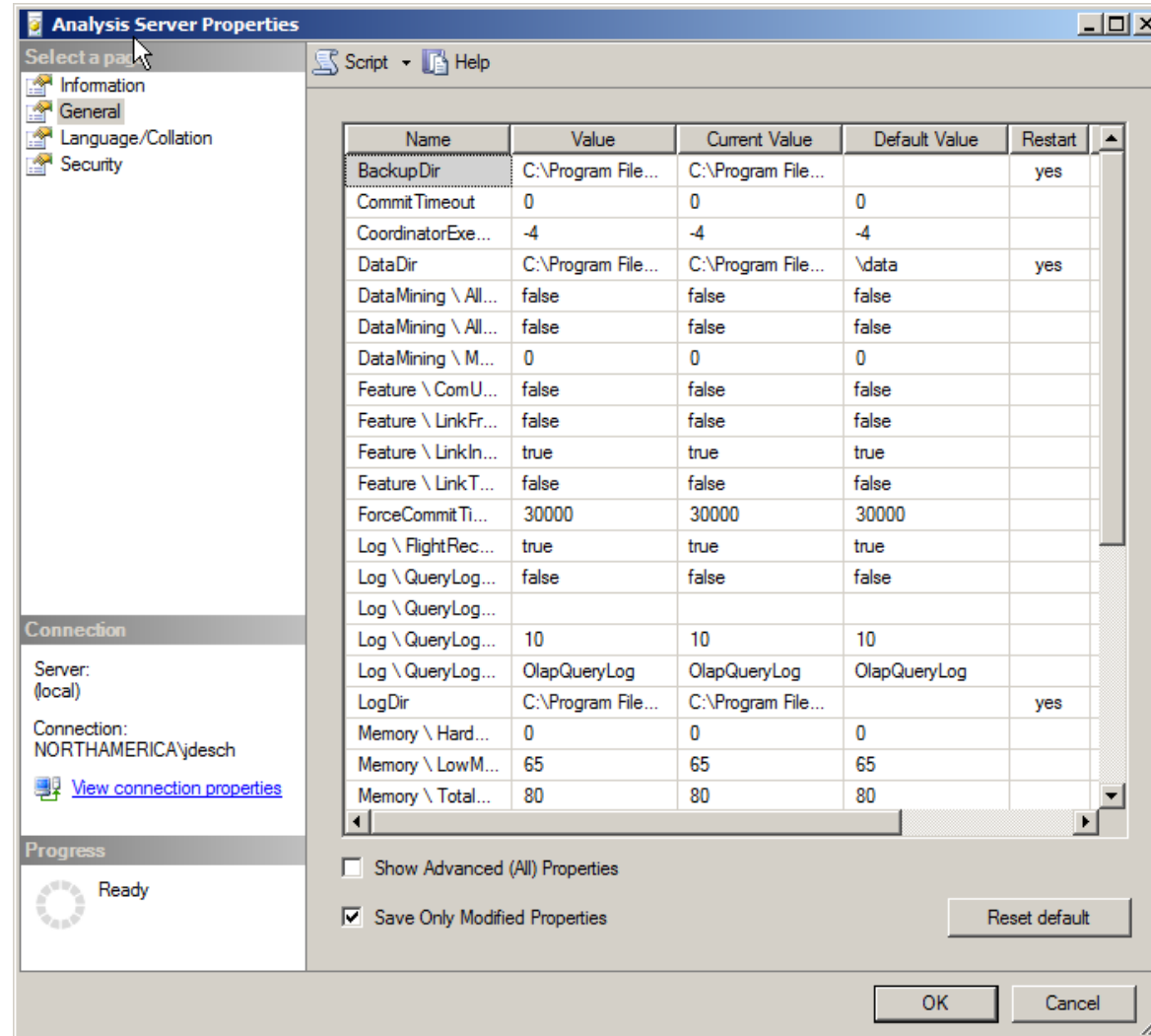
<DeploymentMode>1</DeploymentMode>

Post Setup Configuration

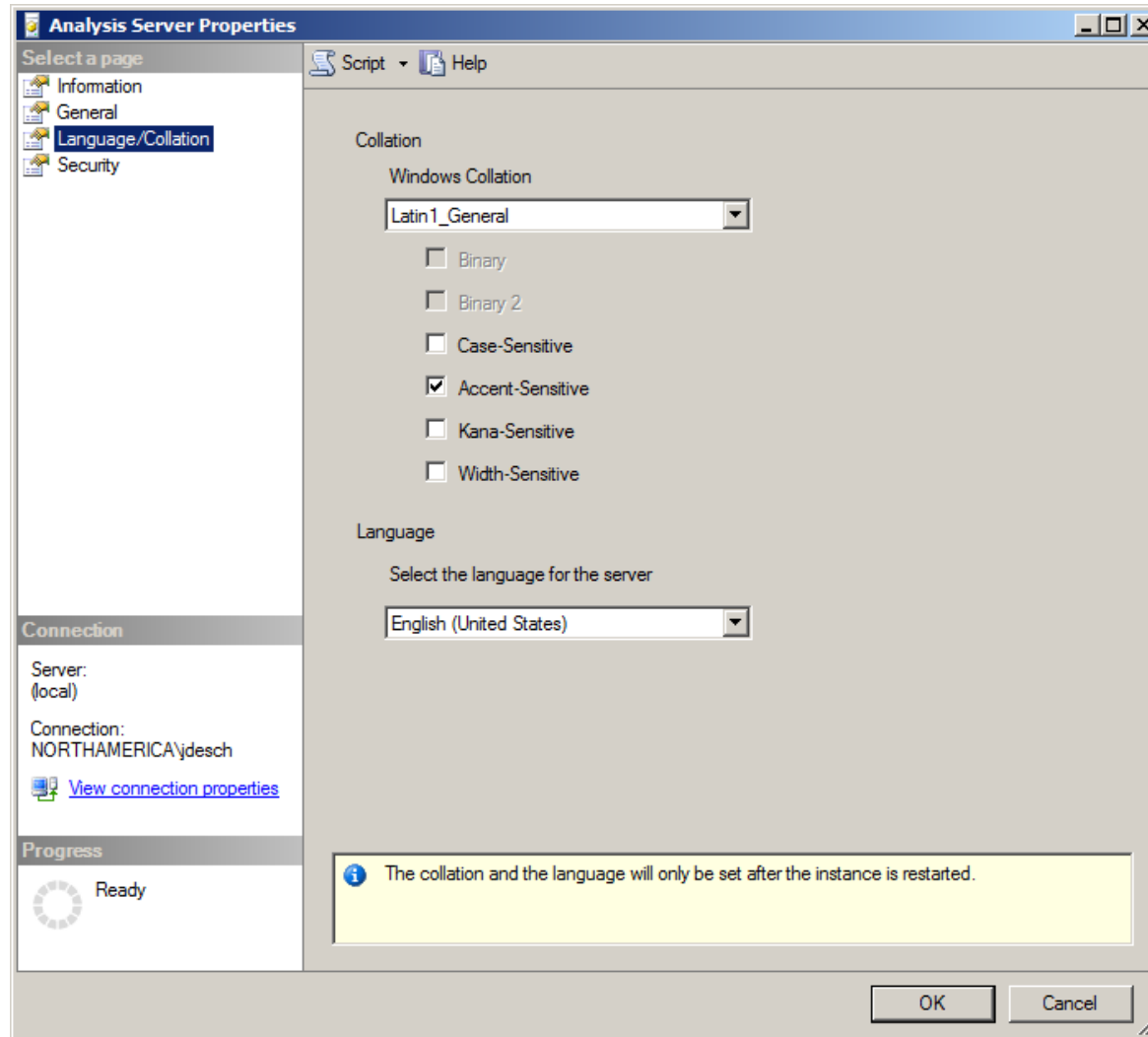
Analyses Service Properties



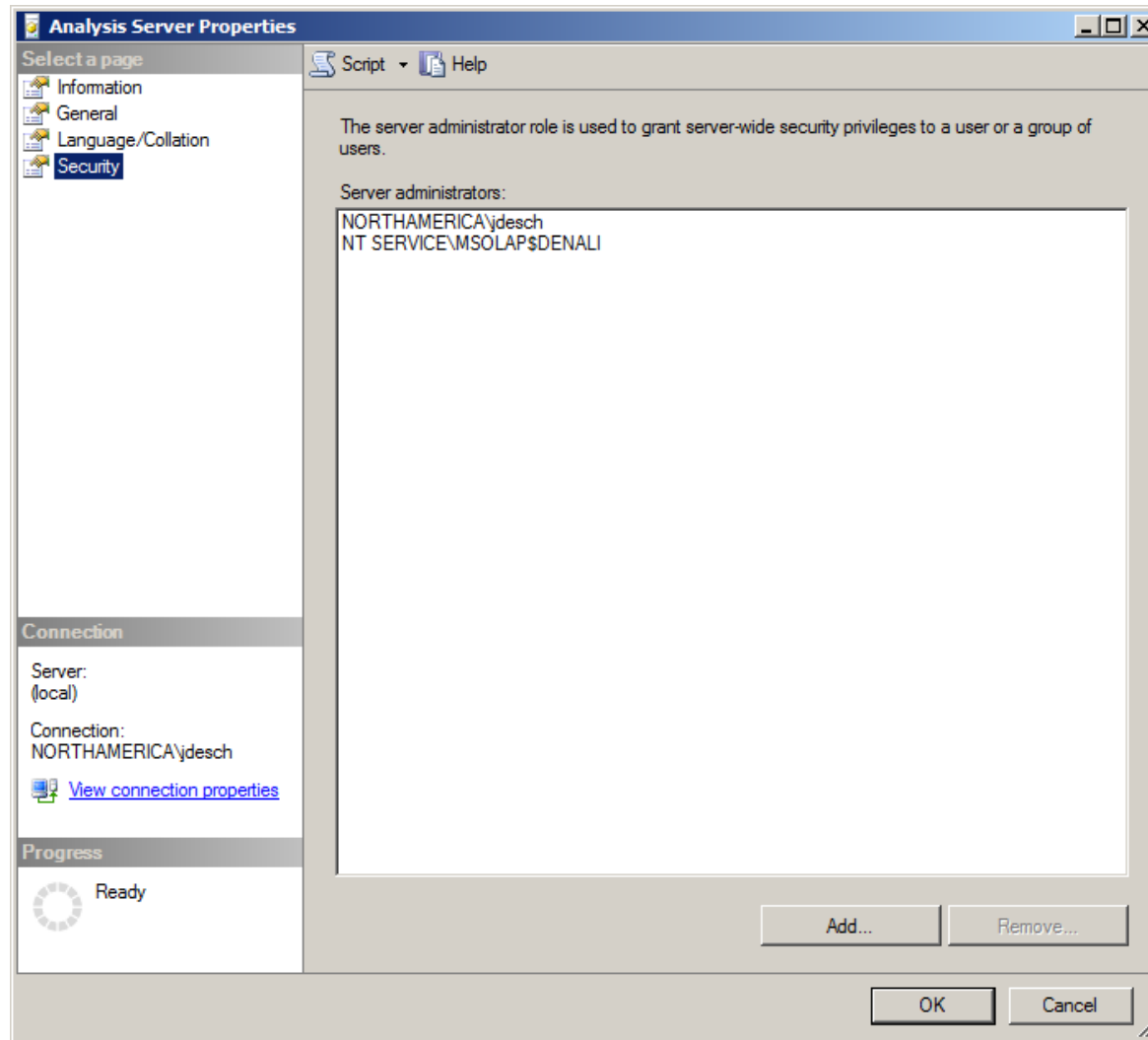
Post Setup Configuration



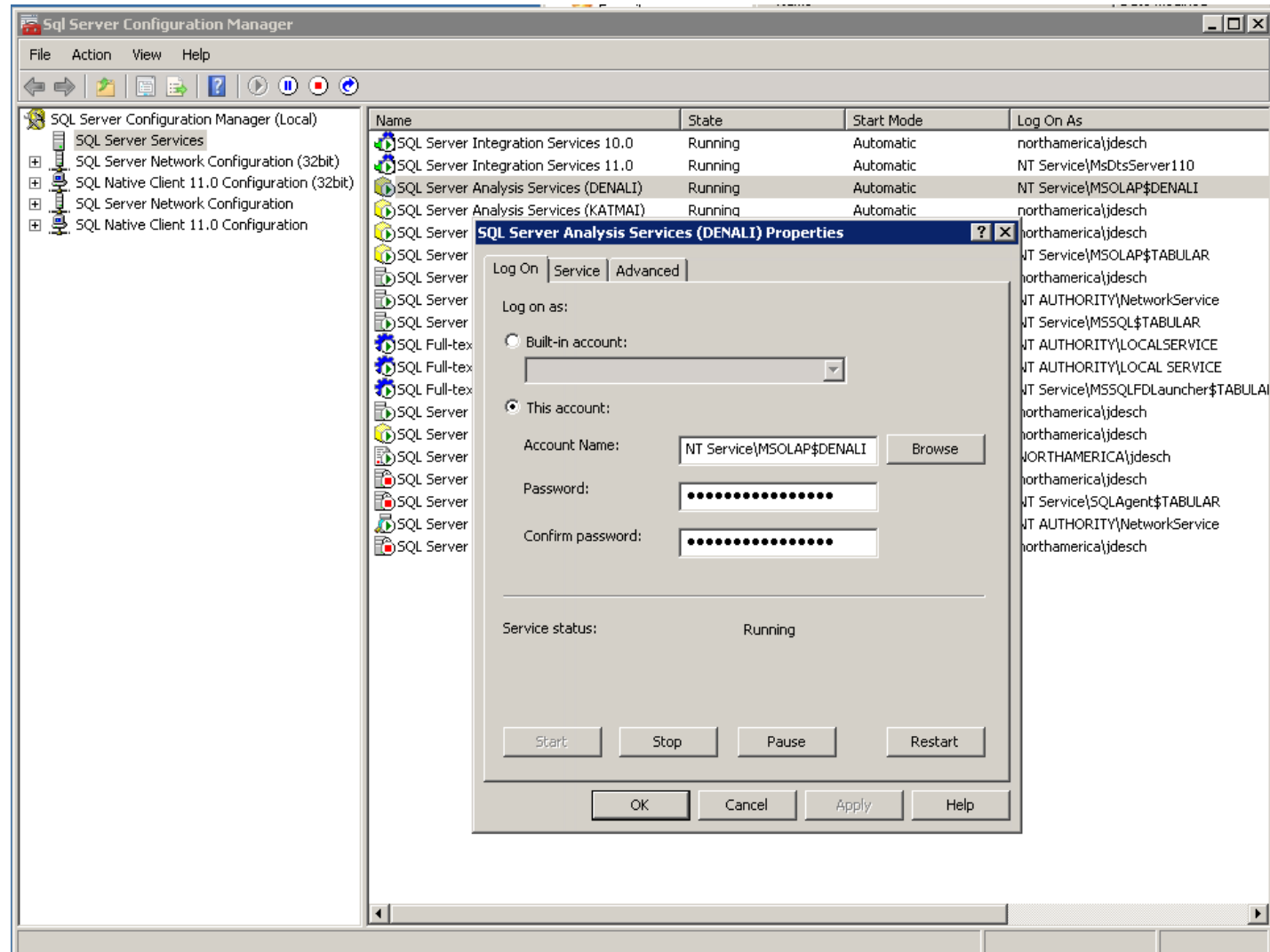
Post Setup Configuration



Post Setup Configuration



Changes to Service Account



Important Configuration Settings

ThreadPool 2012 +

- **Query**
 - **MaxThreads** **0**
 - **MinThreads** **0**
- **Process**
 - **MaxThreads** **0**
 - **MinThreads** **0**

ThreadPool Best Practices (2008 and 2008 R2)

- **Query**
 - **MaxThreads** **2 X Number of CPUs**
 - **MinThreads** **1**
- **Process**
 - **MaxThreads** **10 X number of CPUs**
 - **MinThreads** **Number of CPUs + 1**

Important Configuration Settings

Multiuser Settings Default

- | | |
|---|-----------|
| • CoordinatorQueryBalancingFactor | -1 |
| • CoordinatorQueryBoostPriorityLevel | 3 |

Multiuser Settings Best Practices

- | | |
|---|----------|
| • CoordinatorQueryBalancingFactor | 1 |
| • CoordinatorQueryBoostPriorityLevel | 0 |

Important Configuration Settings

Memory

- LowMemoryLimit
- TotalMemoryLimit
- HardMemoryLimit
- VertiPaqPagingPolicy
- VertiPaqMemoryLimit

ForceCommitTimeout

Default Value	30000 (30 seconds)
Unit of Measure	Milliseconds
Data Type	Integer
Minimum Value	0 – Will not force a commit timeout.
Maximum Value	2147483647

CommitTimeout

Default Value	0
Unit of Measure	Milliseconds
Data Type	Integer
Minimum Value	0 – Indicates that Analysis Services will wait indefinitely to acquire a write lock in order to commit a transaction.
Maximum Value	2147483647 Milliseconds, or approximately 25 days.

Firewalls and Ports

Feature	Port
Default Instance	TCP Port 2383
SQL Server Browser Service	TCP Port 2382
Named Instance	Dynamically Determined

When Analysis Services configured for use through IIS/HTTP (The PivotTable® Service uses HTTP or HTTPS), the connection is via TCP port 80.

When Analysis Services configured to use Secure Sockets through IIS/HTTPS (The PivotTable® Service uses HTTP or HTTPS), the connection is via TCP port 443.

