SSAS Administration Installation and Configuration Basics

Felix Amevor
Microsoft Canada

Microsoft

Agenda

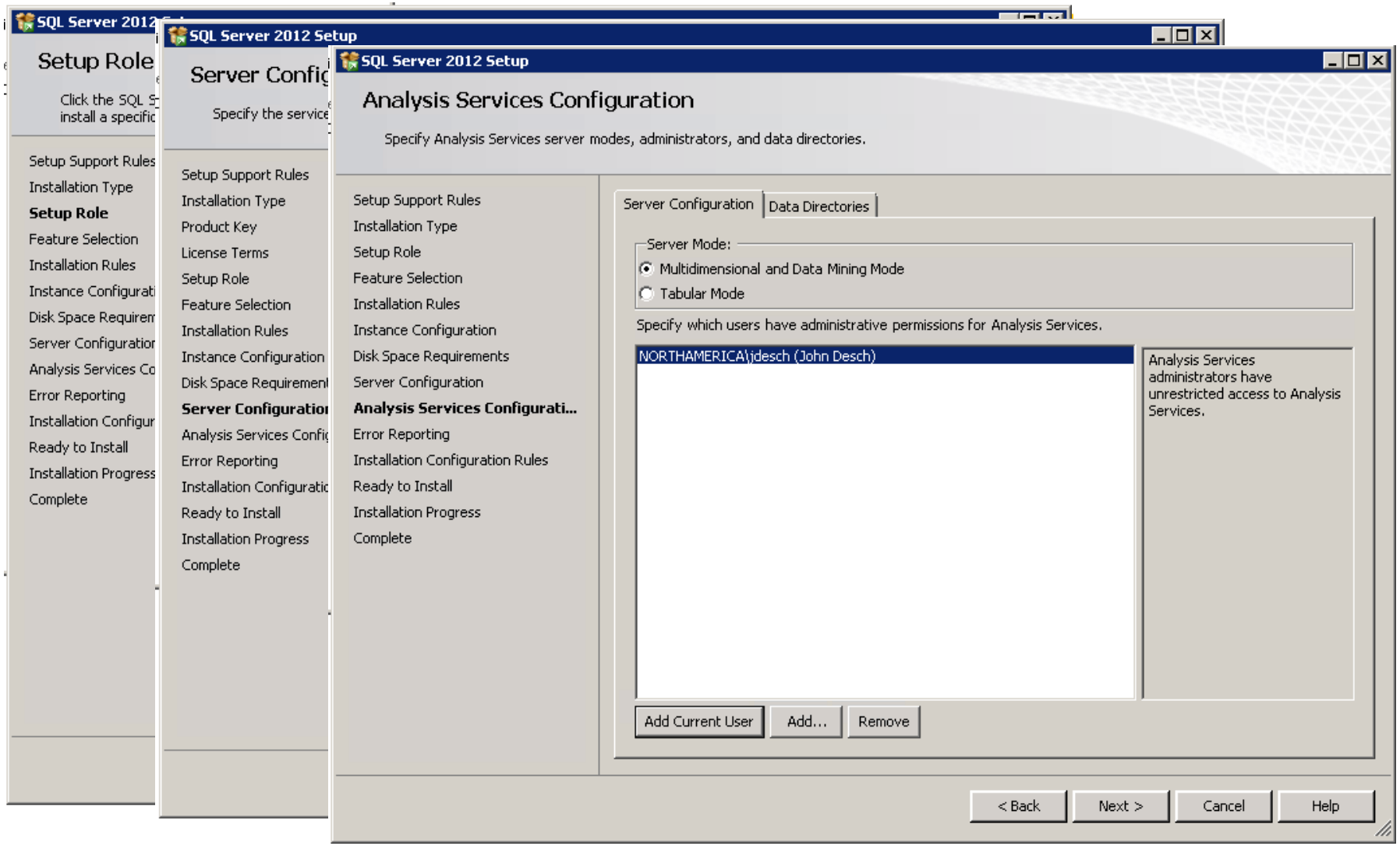
Installation and Initial Configuration

Managing Post Setup Configuration Changes

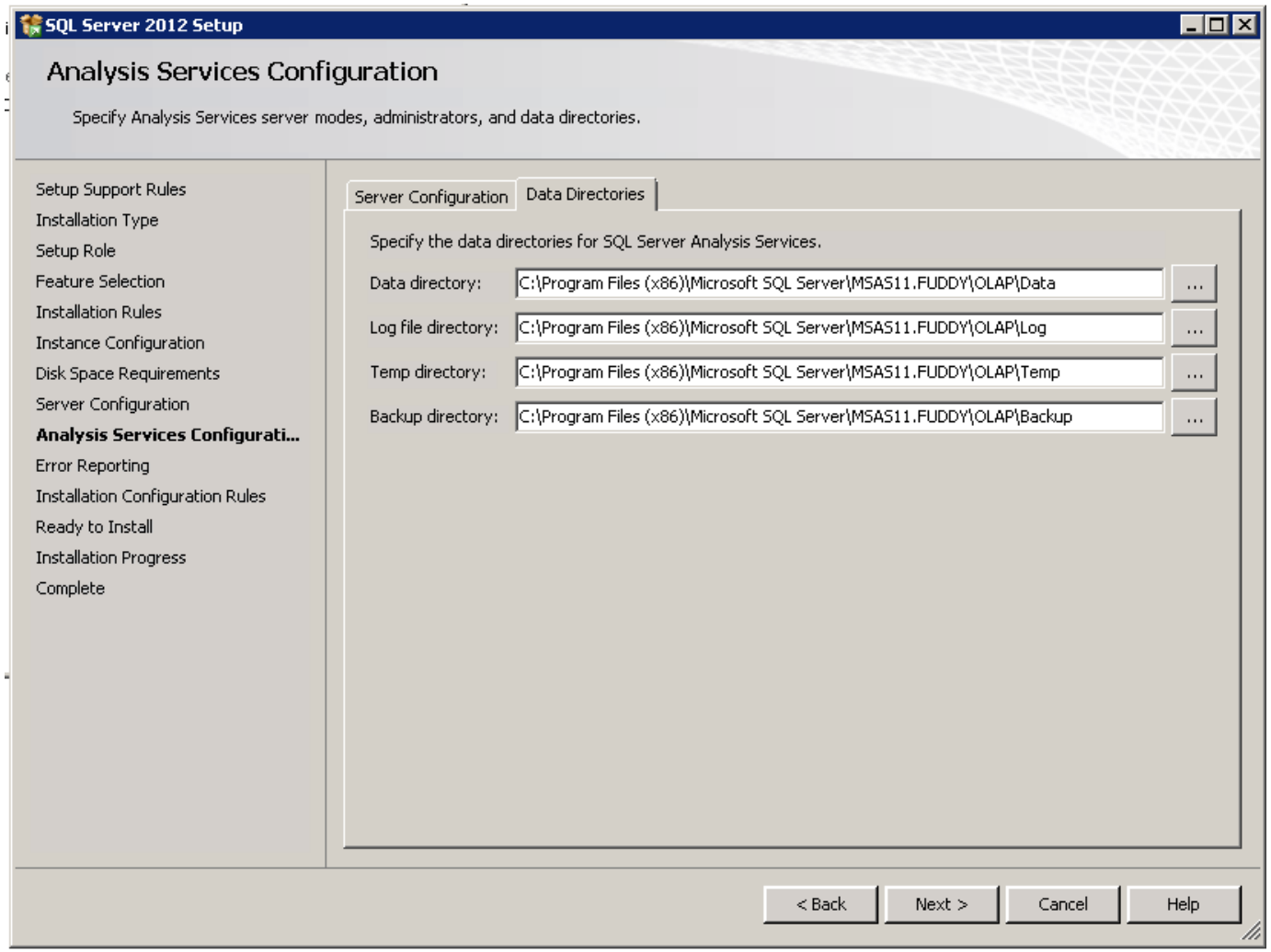
Firewalls, Ports and Configuring HTTP Access

Installation and Initial Configuration

Installation

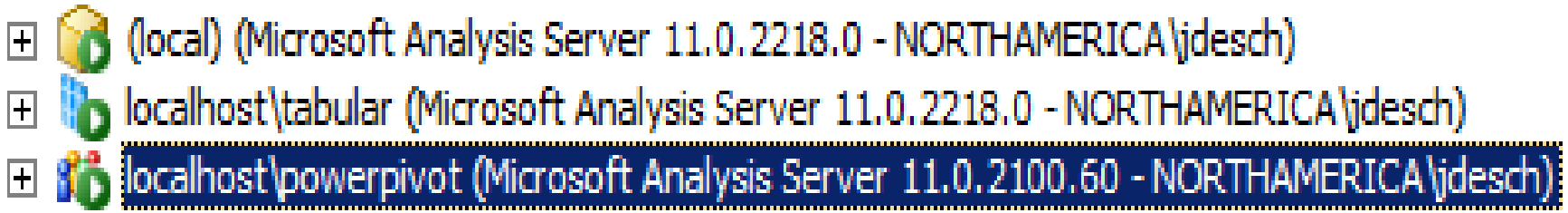


Initial Configuration



Microsoft Confidential

Server Modes

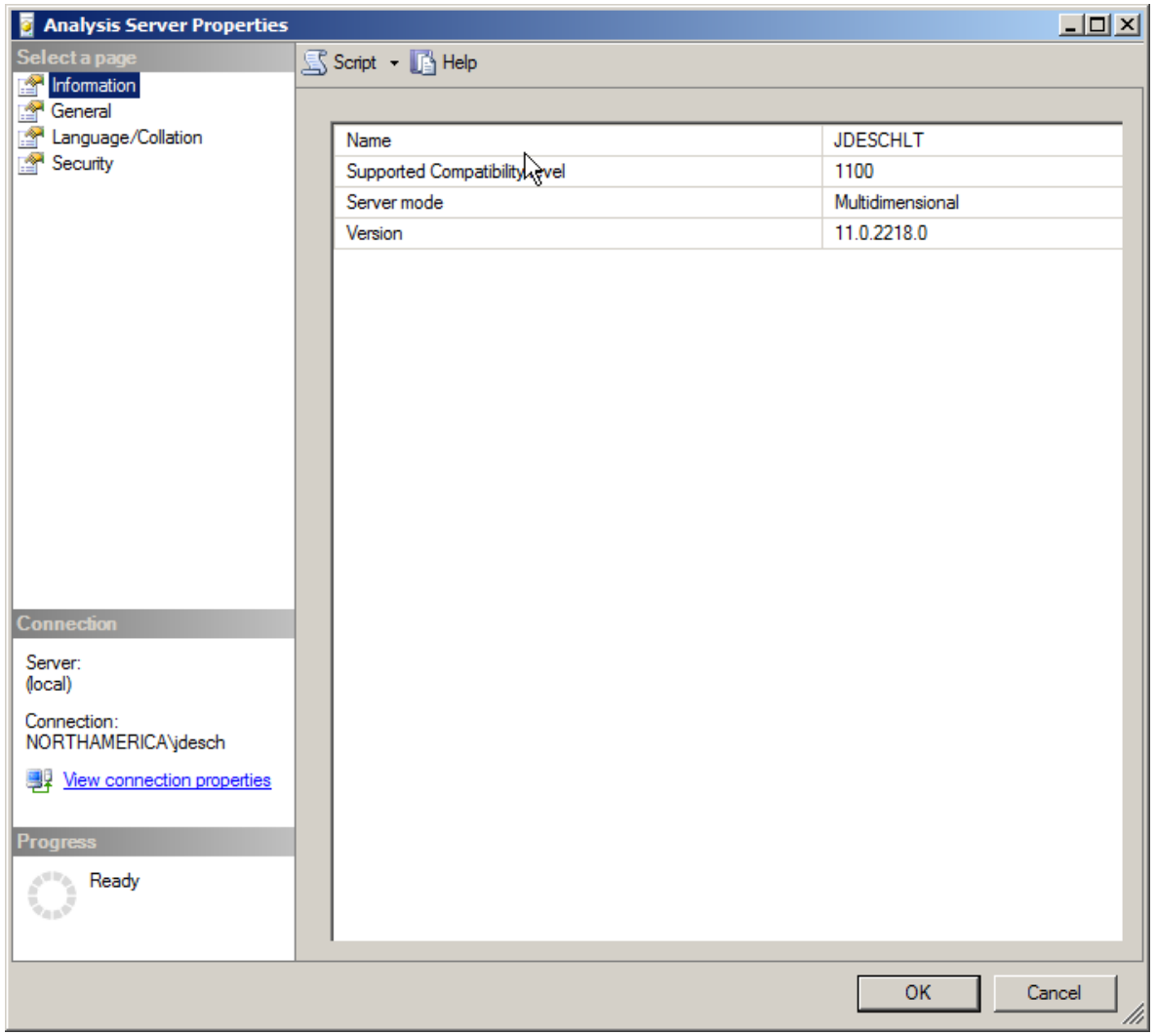


<DeploymentMode>0</DeploymentMode>
<DeploymentMode>2</DeploymentMode>
<DeploymentMode>1</DeploymentMode>

Microsoft Confidential

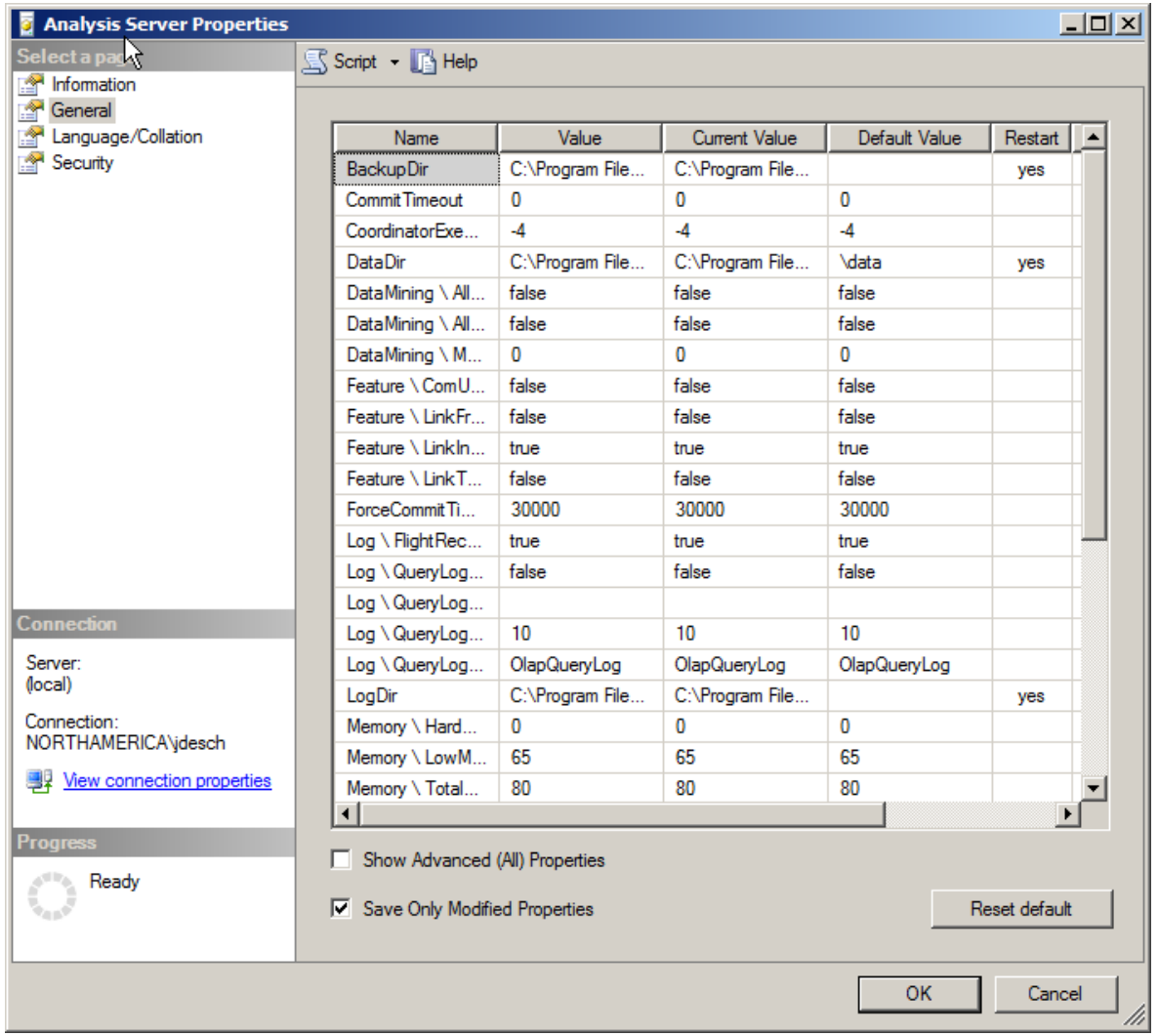
Post Setup Configuration

Analyses Service Properties



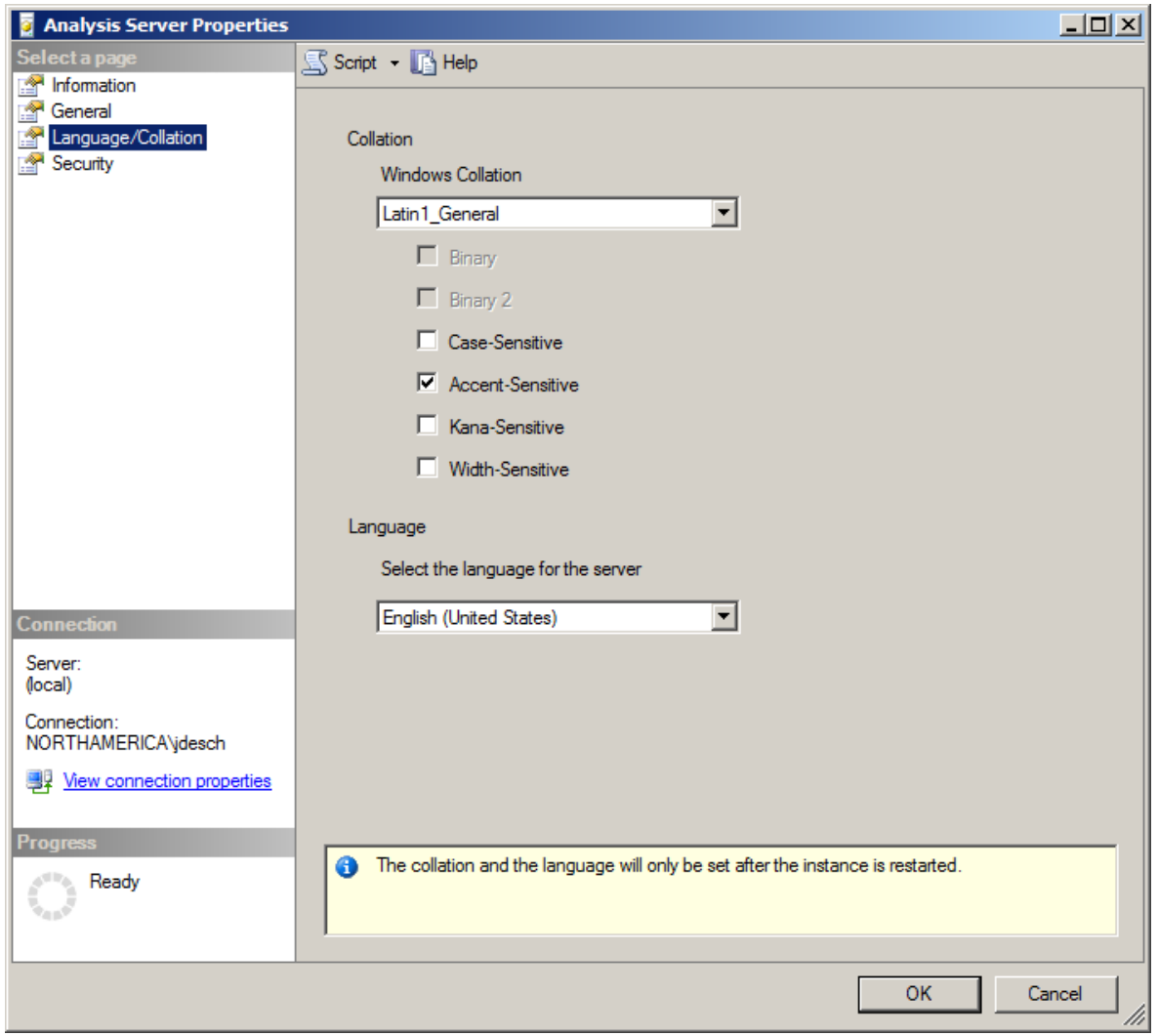
Microsoft Confidential

Post Setup Configuration



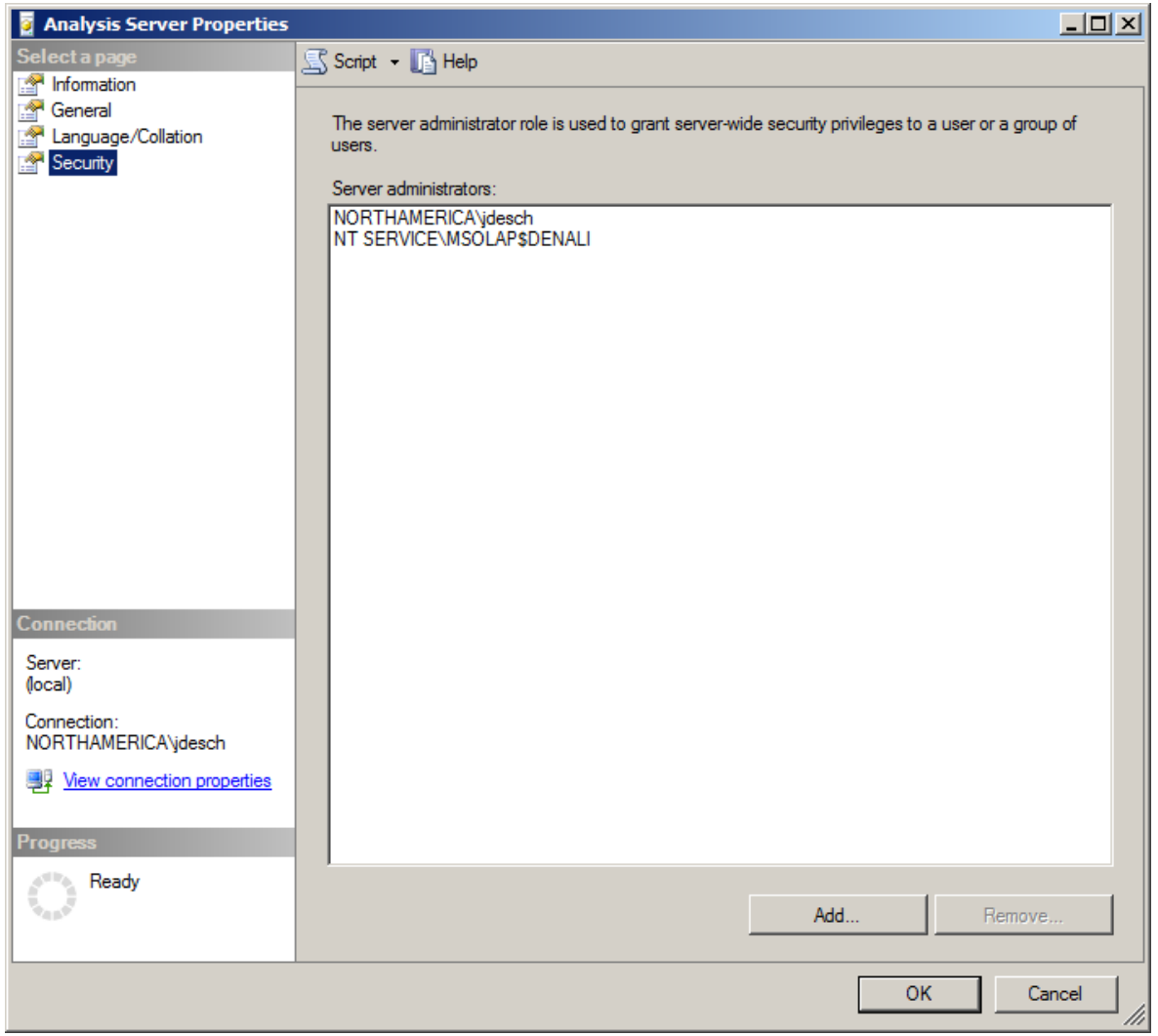
Microsoft Confidential

Post Setup Configuration



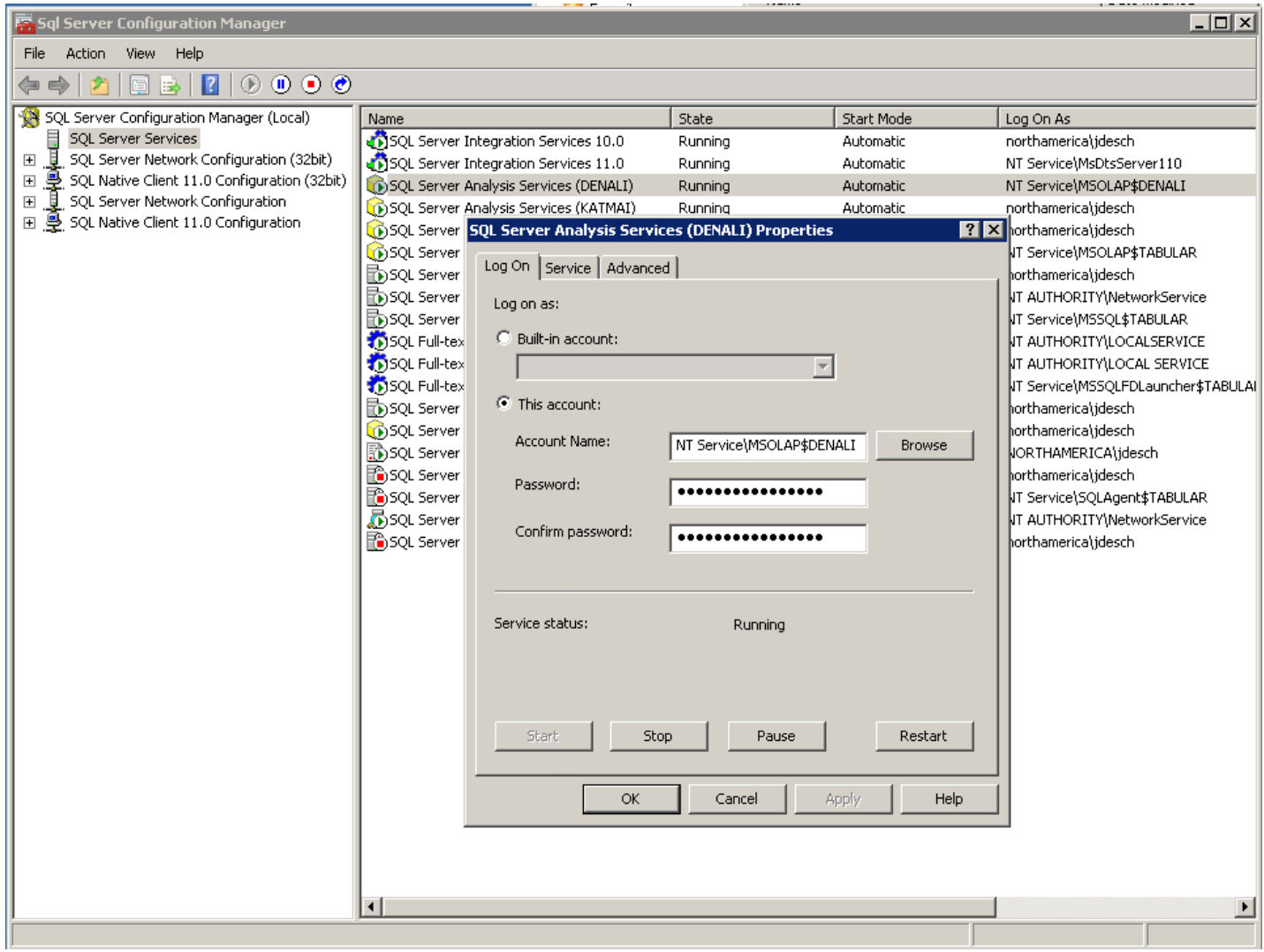
Microsoft Confidential

Post Setup Configuration



Microsoft Confidential

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**

Microsoft Confidential

Important Configuration Settings

Multiuser Settings Default

- **CoordinatorQueryBalancingFactor** **-1**
- **CoordinatorQueryBoostPriorityLevel** **3**

Multiuser Settings Best Practices

- **CoordinatorQueryBalancingFactor** **1**
- **CoordinatorQueryBoostPriorityLevel** **0**

Microsoft Confidential

Important Configuration Settings

Memory

- LowMemoryLimit
- TotalMemoryLimit
- HardMemoryLimit
- VertiPaqPagingPolicy
- VertiPaqMemoryLimit

Microsoft Confidential

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**

Microsoft Confidential

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.**

Microsoft Confidential

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.

Microsoft Confidential

© Copyright Microsoft Corporation. All rights reserved.