
Project Name : Setting up Microsoft Operations Manager 2005
Company : ISTCL
Prepared by : Hemal Shah

SCOPE:

This document provides process guidelines used to Design & Implement CRM Implementation within organization. The issues identified needs repetitive testing and through analysis before implementation in production environment. The process involves knowledge Windows Server 2003, Active Directory, Exchange & SQL Server 2005.

PROCESS REVIEW:

Microsoft Operations Manager (MOM) 2005 helps provide you with the knowledge to avoid the avoidable—reducing the complexity associated with managing today's IT infrastructure environment and lowering the cost of operations. MOM 2005—a key component of the Dynamic Systems Initiative—provides manageability as part of the design and implementation of Windows Server System technologies. By delivering operational knowledge and subject expertise directly from the application developers, MOM 2005 helps simplify identification of issues, streamlines the process for determining the root cause of the problem, and facilitates quick resolution to restore services and to prevent potential IT problems.

SPECIFICATIONS:

Server Configuration:

Server IP : 192.168.1.201
Server Name : ISTCLMOM
Processor :
Hard Drive : 20 GB
Memory : 256 MB
Operating System : Microsoft Windows Server 2003 STD
MOM Version : Microsoft Operations Manager 2005 Workgroup Edn

IMPLEMENTATION PLAN:

Step 1 : Installing MOM 2005
Step 2 : Configuring MOM 2005

[Setting up Microsoft Operations Manager:](#)

Microsoft Operations Manager is powerful monitoring tool that helps you oversee your servers and business-critical infrastructure.

[Step 1: Installing MOM 2005](#)

Installing MOM Server 2005:

- Install Microsoft Windows Server 2003 with SP1
- Install Updates and Service Packs
- Activate windows license
- Install SQL Server 2000 MSDE version with SP3
- Install SQL Server 2000 STD/EN version if you need to use MOM Reporting Console
- Install IIS (Windows – Components)

Installing MOM Reporting 2005:

- Install SQL Server 2000 Reporting Services
 - Domain User account (TOR\Administrator)
- Install SQL Server 2000 Reporting Services with Service Pack and hotfix
- Install Microsoft Operations Manager Reporting 2005 from MOM 2005 Setup.

[Step 2: Configuring MOM 2005](#)

Configure Windows Firewall

Important These steps may increase your security risk. These steps may also make your computer or your network more vulnerable to attack by malicious users or by malicious software such as viruses. We recommend the process that this article describes to enable programs to operate as they are designed to, or to implement specific program capabilities. Before you make these changes, we recommend that you evaluate the risks that are associated with implementing this process in your particular environment. If you choose to implement this process, take any appropriate additional steps to help protect your system. We recommend that you use this process only if you really require this process.

To configure the Windows Firewall to let the MOM 2005 server communicate with the agent computer, you must open ports and then enable a program.

Install MOM Agents on Systems (Push Agents):

Follow the steps below to install agent on each system:

- MOM – Administrator Console
- Administration
- Unmanaged computers
- Select computer – right click – Install Agent
- Agent Installation
 - Agent Installation Permissions:

- Other
- UserName – TOR\Administrator
- Password -
- Agent Action Account
 - Local System
- Process Finished

Note:

The following services should be running on each system where MOM Agent needs to be installed:

- Remote Procedure Call (RPC)
- Remote Registry

Load MOM Management Packs:

With management packs, you can extend MOM to monitor a wide variety of specific server-health indicators and alert you to important events that require administrator intervention, helping you prevent or quickly correct problem situations. Unlike the enterprise version of MOM, MOM 2005 Workgroup Edition comes with several management packs pre-installed, but you can always add more or create your own.

MOM management packs process data from a MOM client and look for information related to a specific product or service. For example, Microsoft provides management packs for products such as Microsoft ISA Server, Systems Management Server (SMS), Exchange Server, SQL Server, Windows Rights Management Services (RMS), and others. Microsoft also provides management packs for services such as DFS, DHCP, and DNS, and for monitoring conditions such as availability. MOM 2005 Workgroup Edition comes bundled with several common management packs.

By default, all the management packs are enabled. Disabling any management packs that are not going to be used is recommended to reduce the overhead on the MOM Server. Also, fin-tune the management packs by turning off alerts that are not required. The required alerts may vary for individual customers.

Management packs can be downloaded from;
<http://technet.microsoft.com/en-us/opsmgr/cc539535.aspx>

Deploy Management Packs:

Importing Management Packs:

- MOM 2005 Administrator Console
- Microsoft Operations Manager root
- Management Packs – right click – Import/Export Management Packs
- Next - Import or Export Management Packs
 - Import Management Packs
- Next - Select a folder and choose import type
 - Import Management Packs only

- Next - Select Management Packs
 - Browse & Select Management Packs
 - Select Import Options
- Next - Finish

Microsoft Operations Manager Tasks:

Tasks in MOM are actions that are launched by users to diagnose or resolve a problem, or to automate repetitive actions. Tasks can be configured to be launched on the MOM Operator console or MOM Management Servers or Agents.

CONCLUSION:

Testing management products like Microsoft Operations Manager 2005 is always a tricky process: Traditional performance isn't nearly as important as day-to-day management features and know-how.

MOM can supervise OS and Applications. MOM is base of the MS Server Management with SMS and Windows Management Instrumentation (WMI). It is a unification of the System management software interface suggested by Microsoft.

REFERENCES:

- Microsoft Website
- ISTCL Implementation Team
Hemal Shah : Database Administrator