IBM Licence Metric Tool Version 7.2, Configure ILMT agent logging in UNIX

Slide 1

IBM

IBM Licence Metric Tool Version 7.2

Configure ILMT agent logging in UNIX

This is a self-running demonstration that shows you how to complete a task.
Controls are available at the bottom of the screen.

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Slide 2

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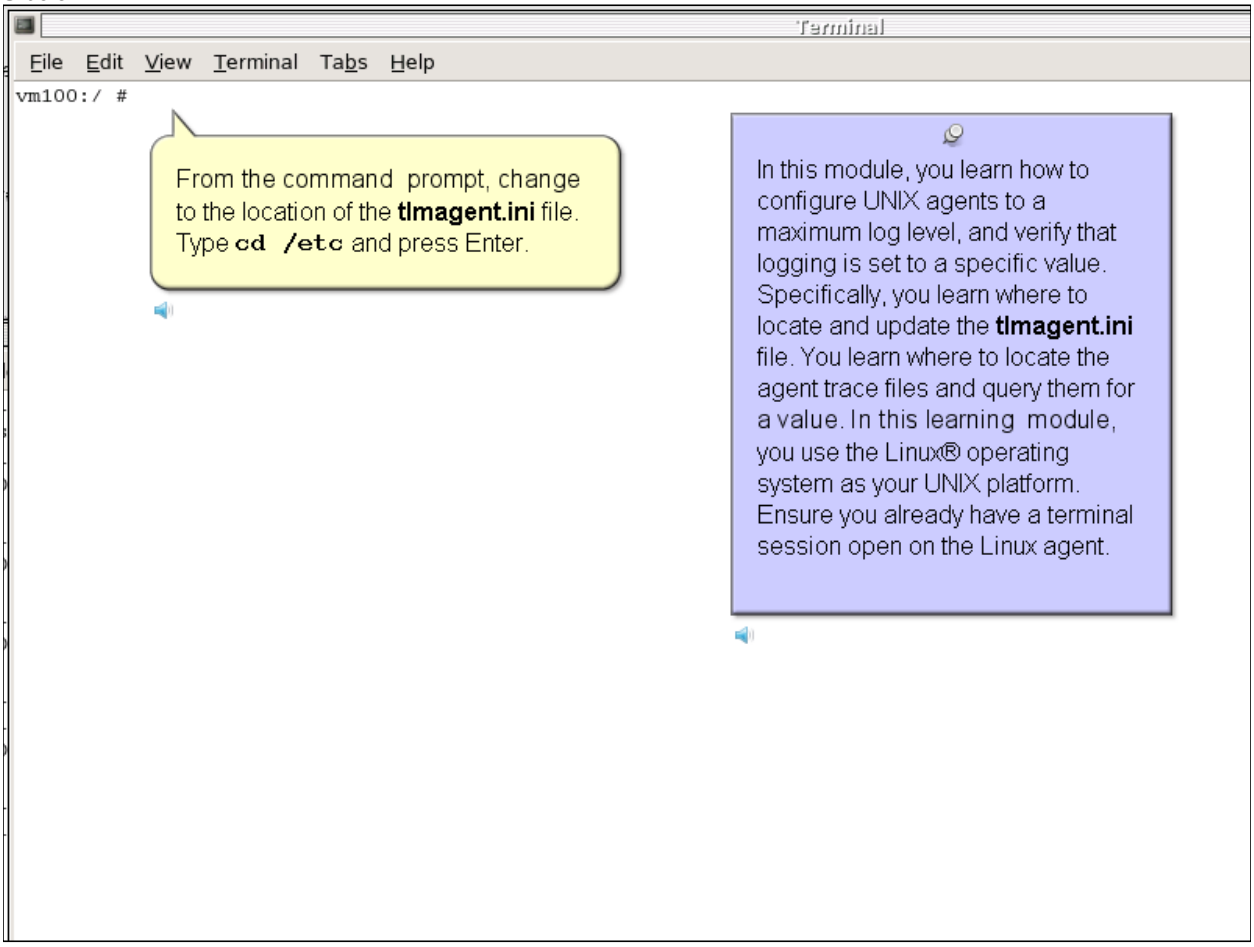
Objectives

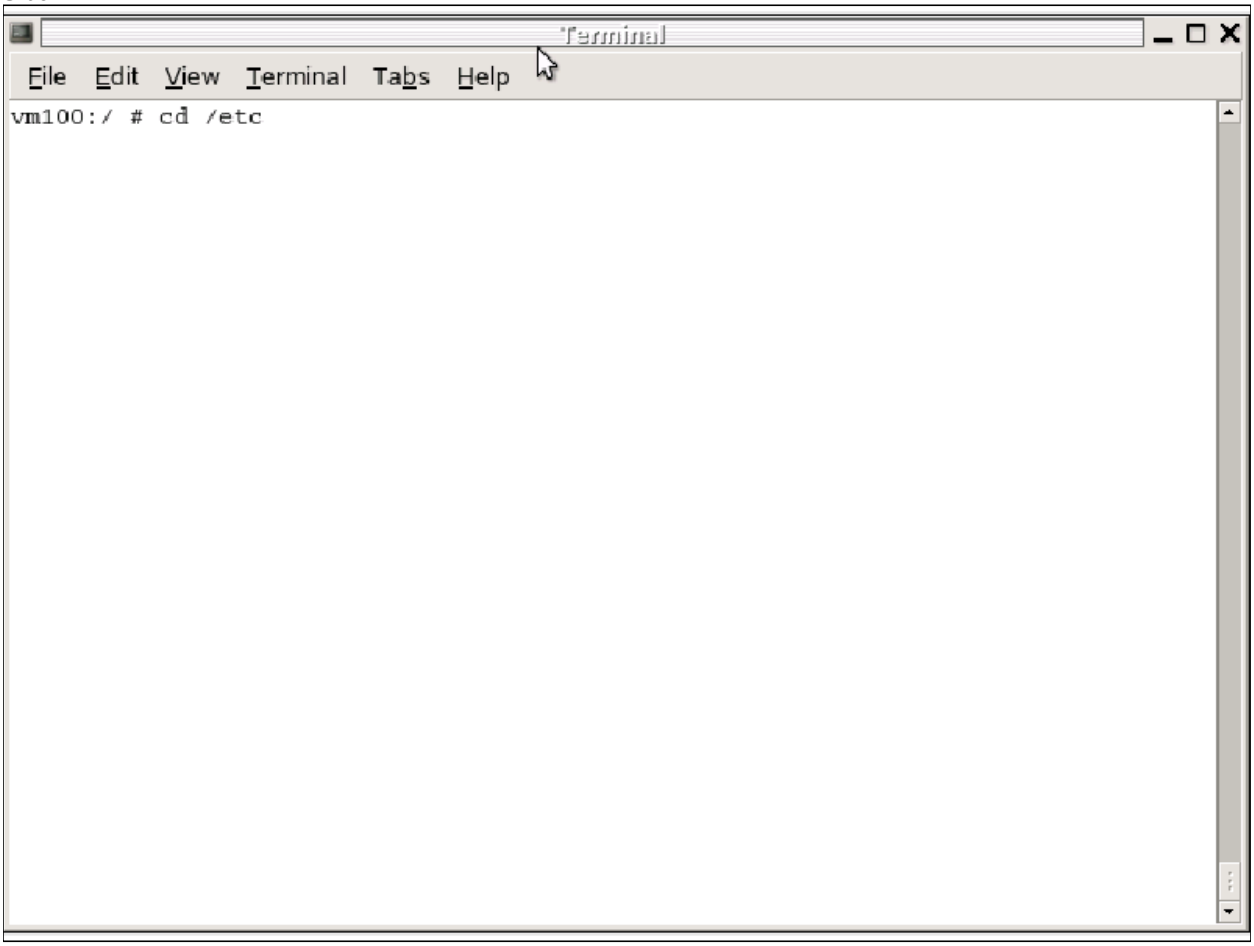
After you have completed this module, you can perform the following tasks:

- Locate the **tlmagent.ini** file
- Use the gedit tool to configure UNIX® agents to a maximum log level
- Locate the agent trace files
- Verify the logging is set to the correct value

Slide 3

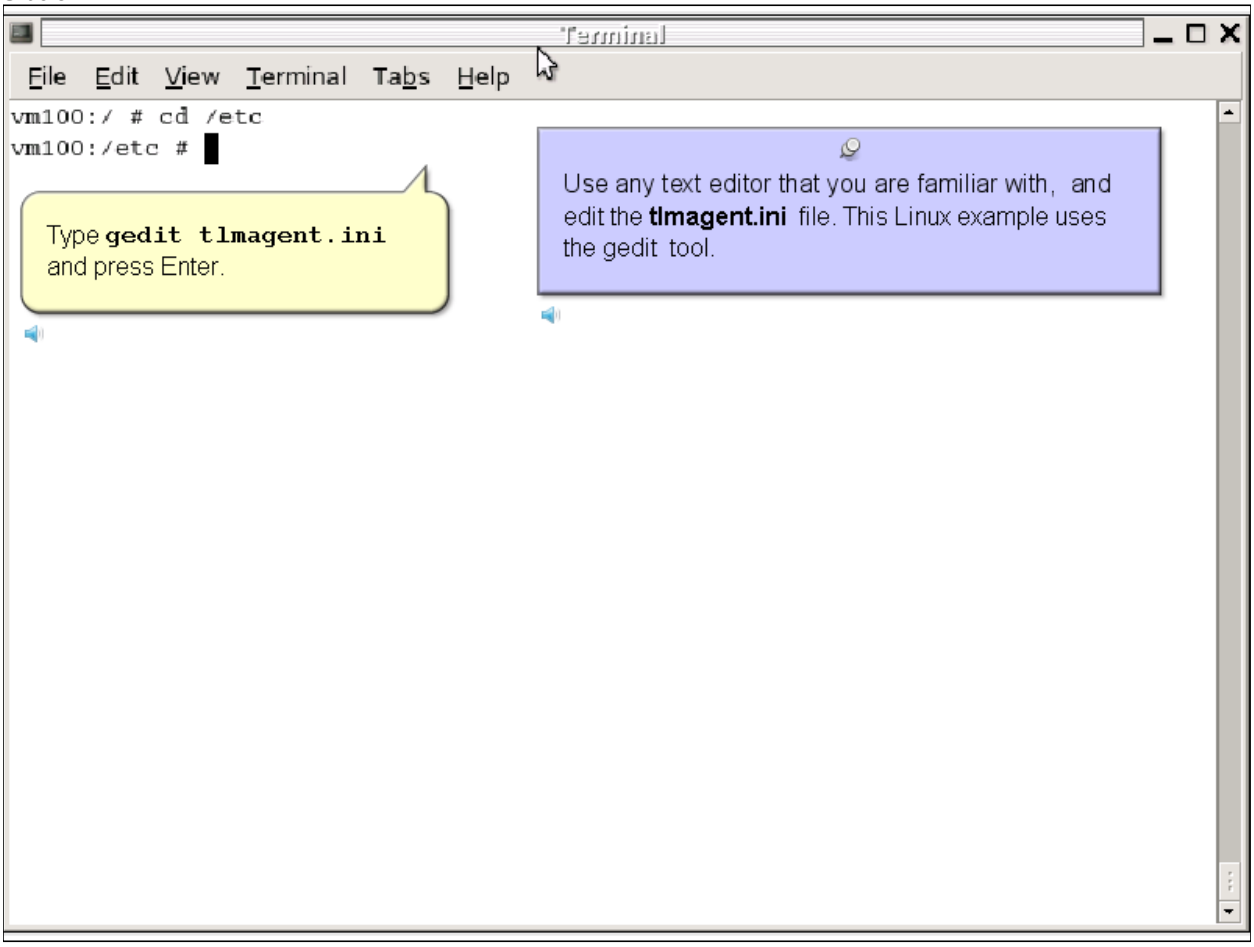

Terminal
File Edit View Terminal Tabs Help
vm100:/ #
From the command prompt, change to the location of the **tlmagent.ini** file. Type **cd /etc** and press Enter.
In this module, you learn how to configure UNIX agents to a maximum log level, and verify that logging is set to a specific value. Specifically, you learn where to locate and update the **tlmagent.ini** file. You learn where to locate the agent trace files and query them for a value. In this learning module, you use the Linux® operating system as your UNIX platform. Ensure you already have a terminal session open on the Linux agent.

Slide 4

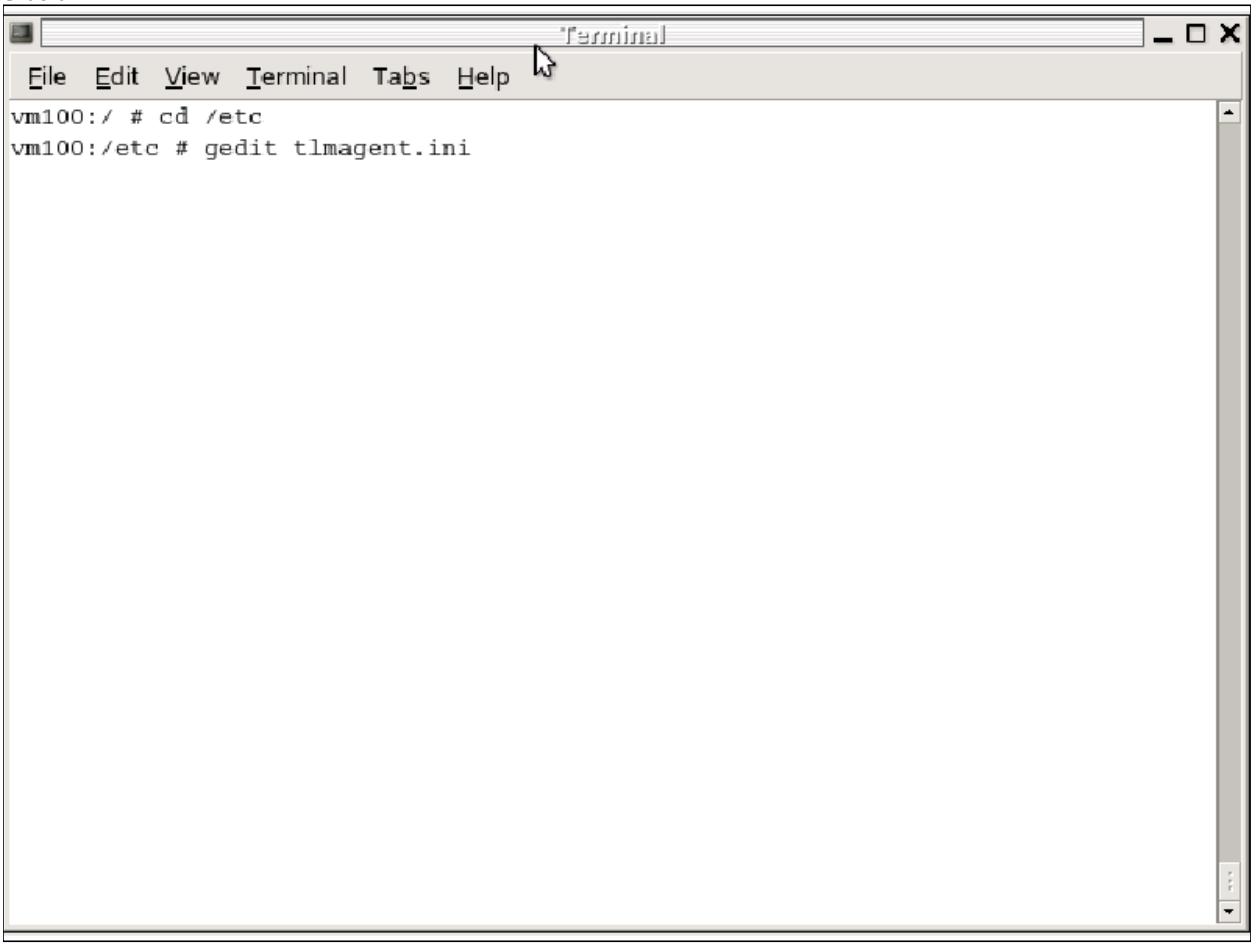


slash etc

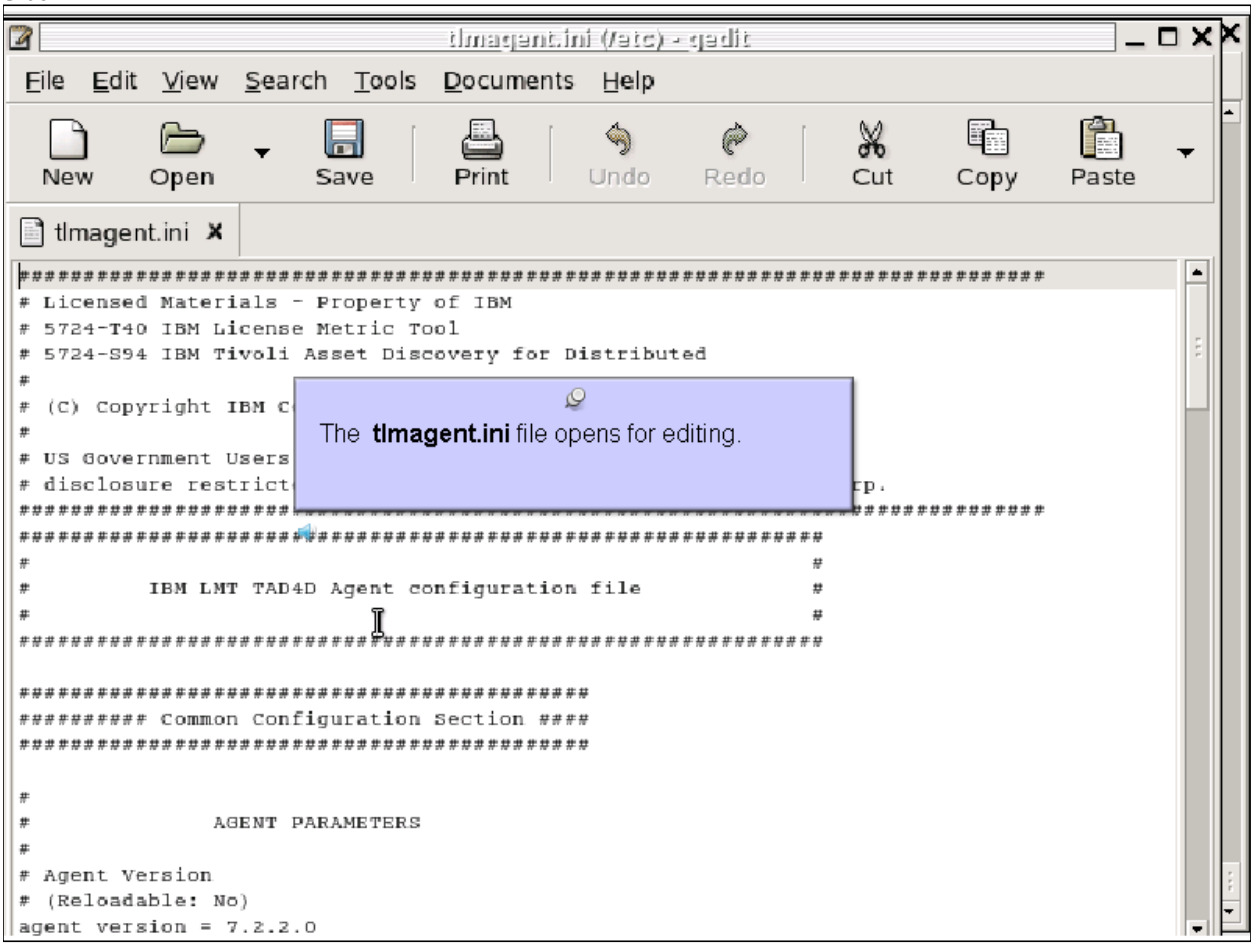
Slide 5


Terminal
File Edit View Terminal Tabs Help
vm100:/ # cd /etc
vm100:/etc #
Type gedit tlmagent.ini and press Enter.
Use any text editor that you are familiar with, and edit the tlmagent.ini file. This Linux example uses the gedit tool.

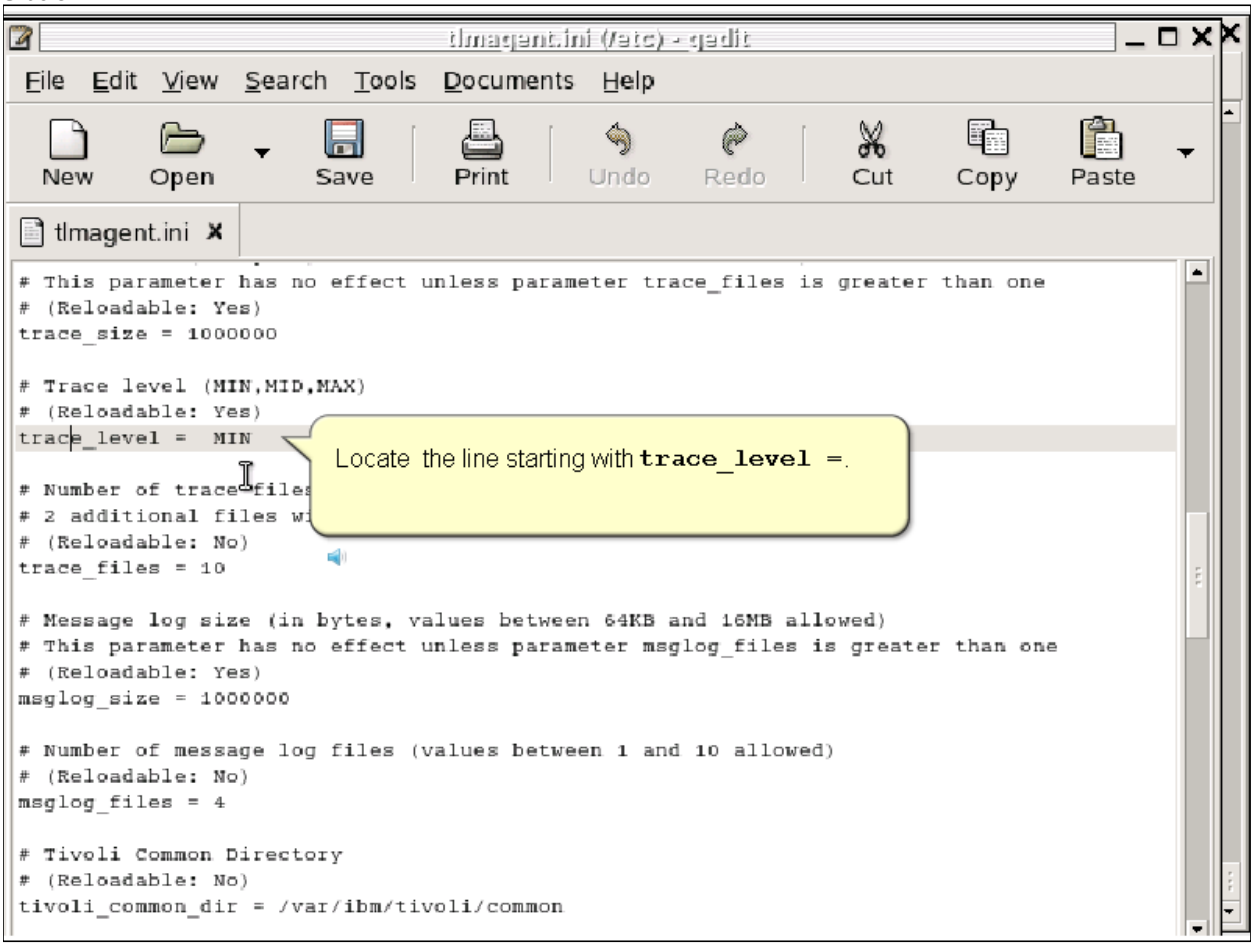
Slide 6


Terminal
File Edit View Terminal Tabs Help
vm100:/ # cd /etc
vm100:/etc # gedit tlmagent.ini

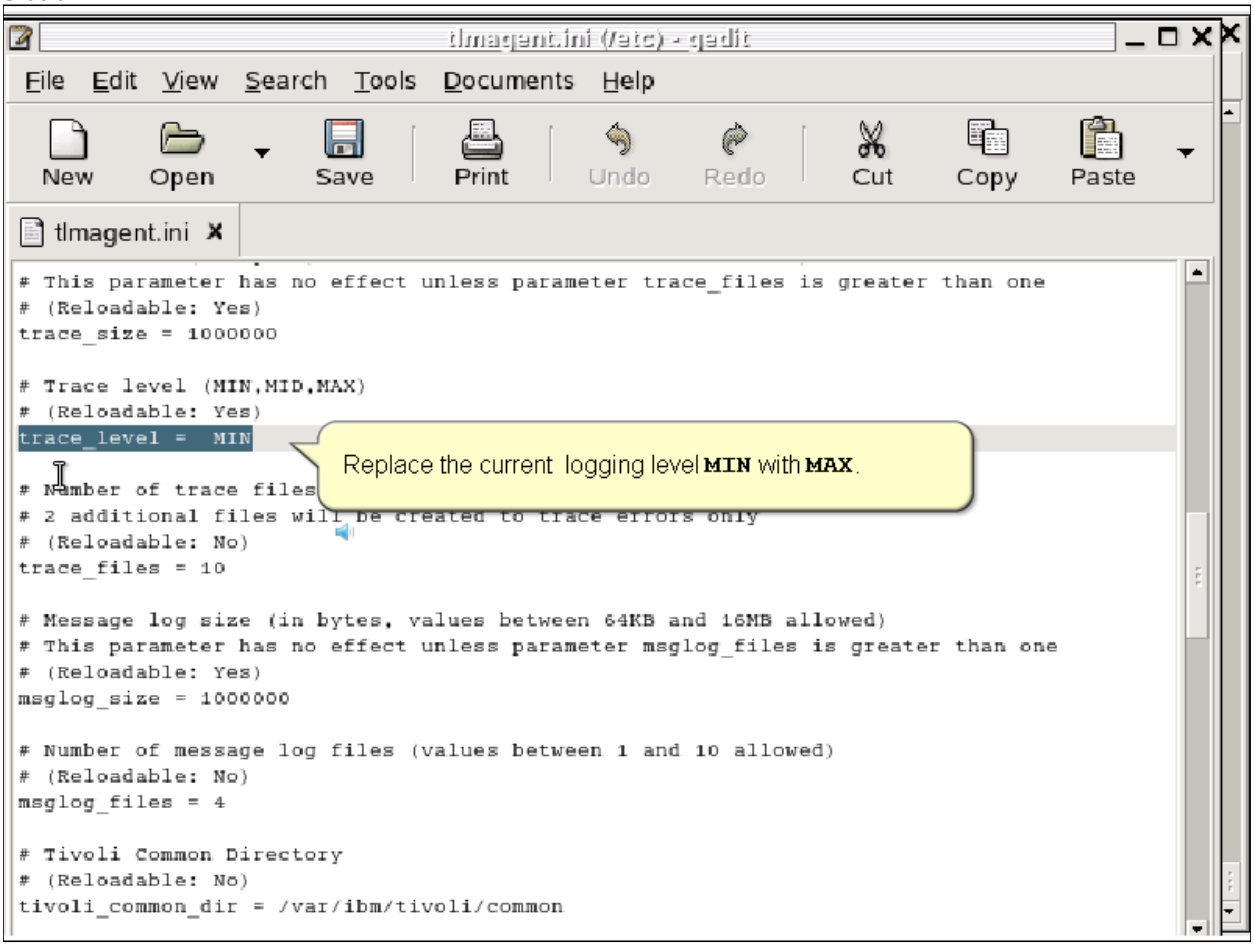
Slide 7


tlmagent.ini (/etc) - gedit
File Edit View Search Tools Documents Help
New Open Save Print Undo Redo Cut Copy Paste
tlmagent.ini
Licensed Materials - Property of IBM
5724-T40 IBM License Metric Tool
5724-S94 IBM Tivoli Asset Discovery for Distributed
(C) Copyright IBM C
US Government Users
disclosure restrict
IBM LMT TAD4D Agent configuration file
########## Common Configuration Section ####
AGENT PARAMETERS
Agent Version
(Reloadable: No)
agent version = 7.2.2.0
The tlmagent.ini file opens for editing.

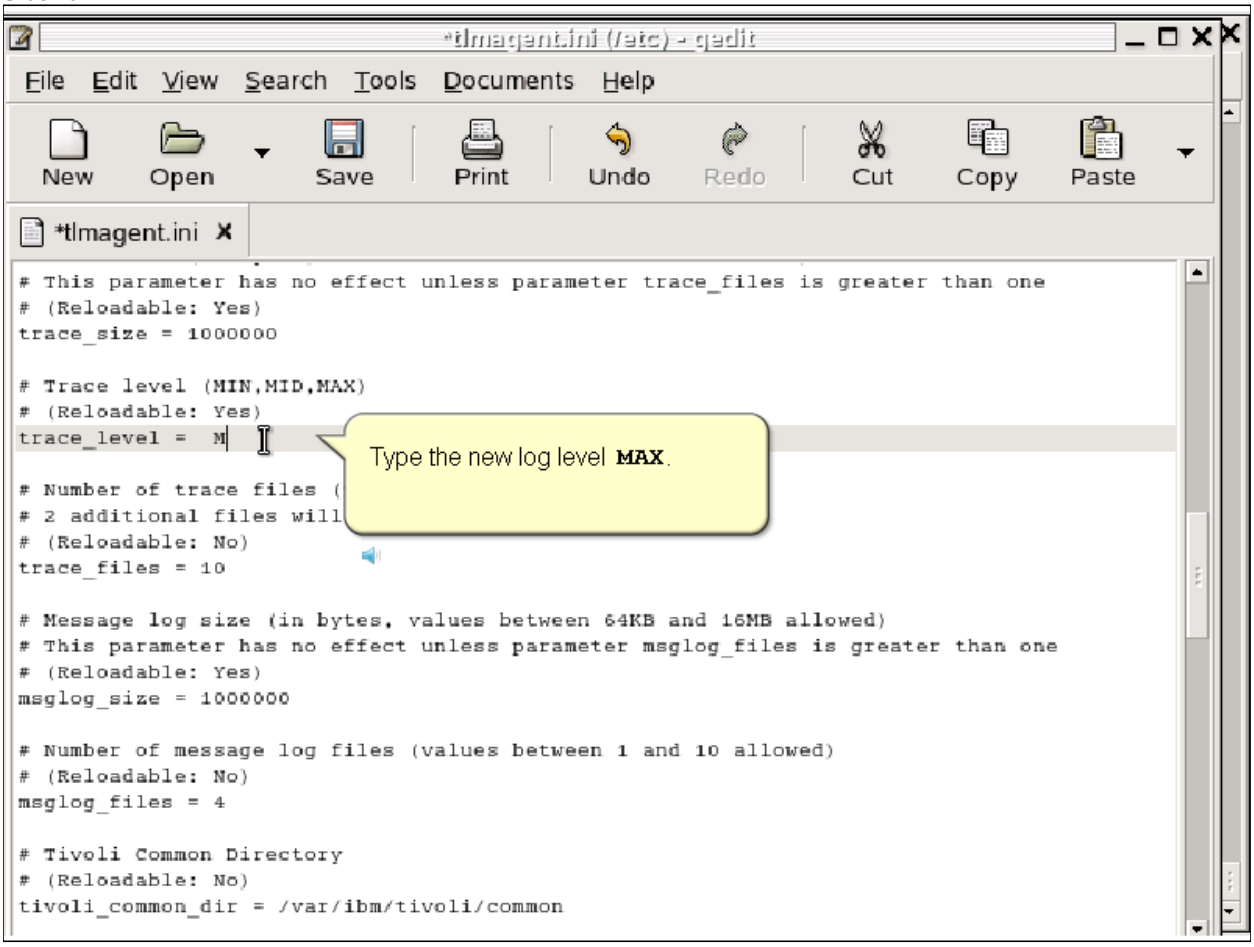
Slide 8


tlmagent.ini (/etc) - gedit
File Edit View Search Tools Documents Help
New Open Save Print Undo Redo Cut Copy Paste
tlmagent.ini
# This parameter has no effect unless parameter trace_files is greater than one
# (Reloadable: Yes)
trace_size = 1000000
# Trace level (MIN,MID,MAX)
# (Reloadable: Yes)
trace_level = MIN
# Number of trace files
# 2 additional files wi
# (Reloadable: No)
trace_files = 10
# Message log size (in bytes, values between 64KB and 16MB allowed)
# This parameter has no effect unless parameter msglog_files is greater than one
# (Reloadable: Yes)
msglog_size = 1000000
# Number of message log files (values between 1 and 10 allowed)
# (Reloadable: No)
msglog_files = 4
# Tivoli Common Directory
# (Reloadable: No)
tivoli_common_dir = /var/ibm/tivoli/common
Locate the line starting with trace_level =.

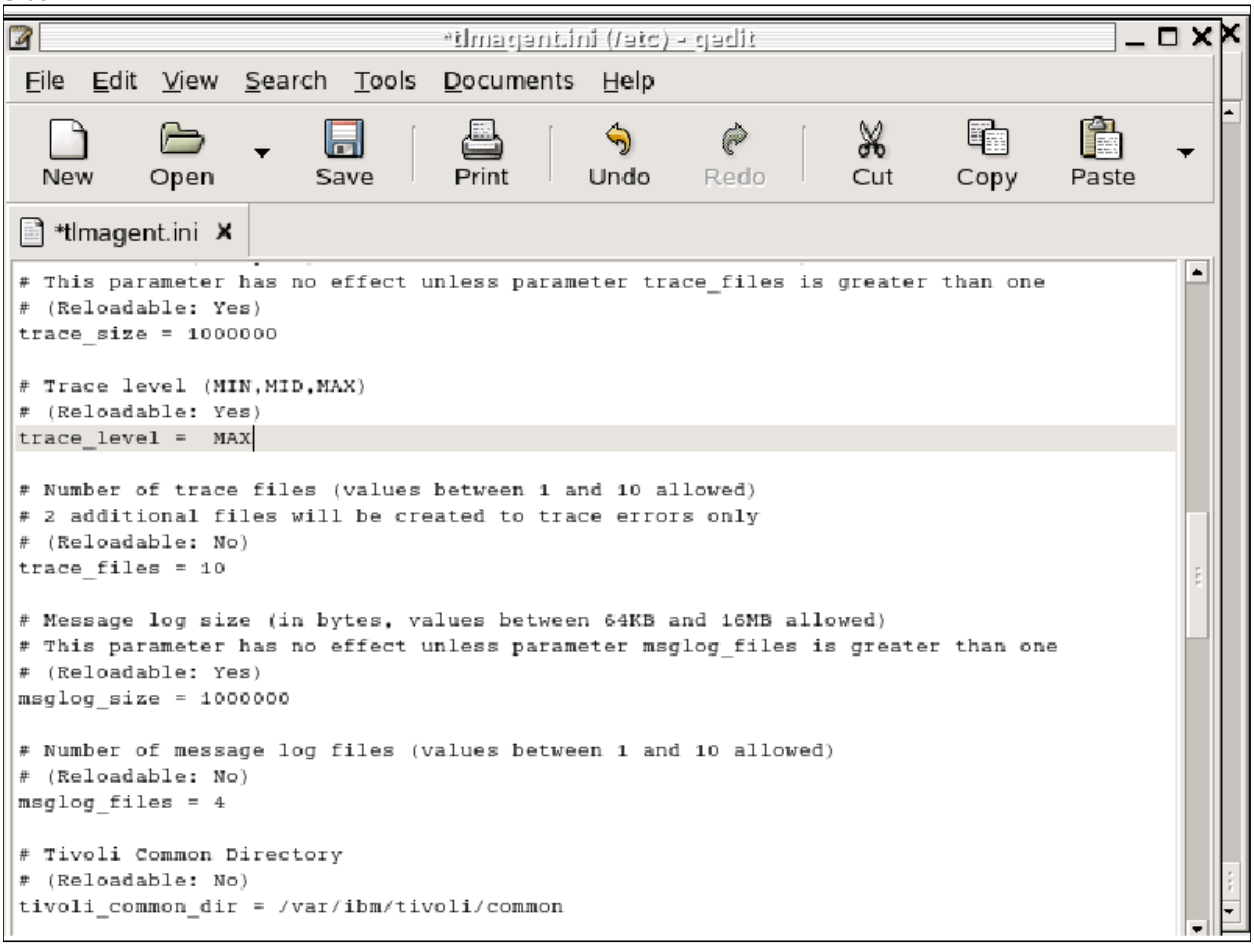
Slide 9


tlmagent.ini (/etc) - gedit
File Edit View Search Tools Documents Help
New Open Save Print Undo Redo Cut Copy Paste
tlmagent.ini
# This parameter has no effect unless parameter trace_files is greater than one
# (Reloadable: Yes)
trace_size = 1000000
# Trace level (MIN,MID,MAX)
# (Reloadable: Yes)
trace_level = MIN
Replace the current logging level MIN with MAX.
# Number of trace files
# 2 additional files will be created to trace errors only
# (Reloadable: No)
trace_files = 10
# Message log size (in bytes, values between 64KB and 16MB allowed)
# This parameter has no effect unless parameter msglog_files is greater than one
# (Reloadable: Yes)
msglog_size = 1000000
# Number of message log files (values between 1 and 10 allowed)
# (Reloadable: No)
msglog_files = 4
# Tivoli Common Directory
# (Reloadable: No)
tivoli_common_dir = /var/ibm/tivoli/common

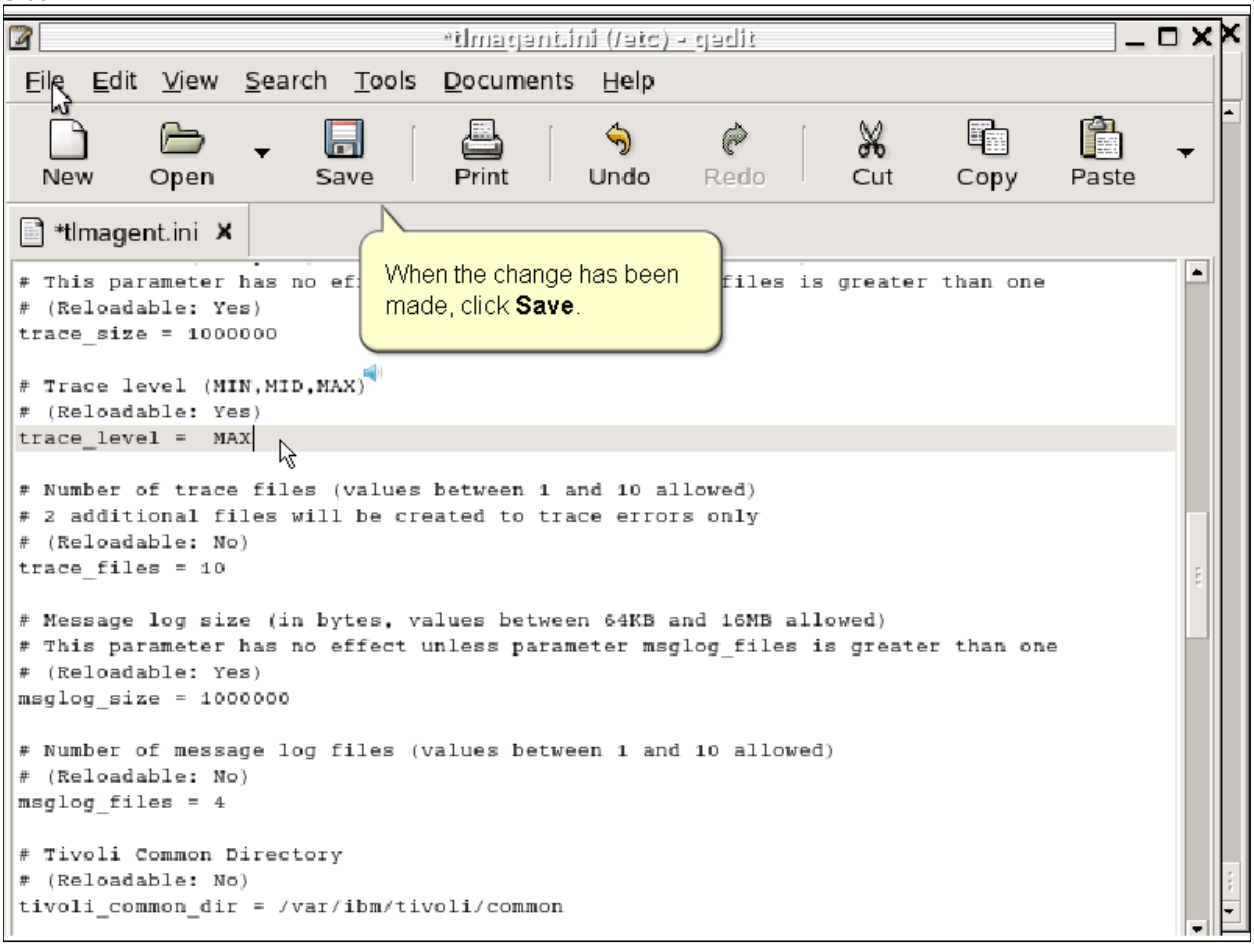
Slide 10


*tlmagent.ini (/etc) - gedit
File Edit View Search Tools Documents Help
New Open Save Print Undo Redo Cut Copy Paste
*tlmagent.ini
# This parameter has no effect unless parameter trace_files is greater than one
# (Reloadable: Yes)
trace_size = 1000000
# Trace level (MIN,MID,MAX)
# (Reloadable: Yes)
trace_level = M
Type the new log level MAX.
# Number of trace files (
# 2 additional files will
# (Reloadable: No)
trace_files = 10
# Message log size (in bytes, values between 64KB and 16MB allowed)
# This parameter has no effect unless parameter msglog_files is greater than one
# (Reloadable: Yes)
msglog_size = 1000000
# Number of message log files (values between 1 and 10 allowed)
# (Reloadable: No)
msglog_files = 4
# Tivoli Common Directory
# (Reloadable: No)
tivoli_common_dir = /var/ibm/tivoli/common

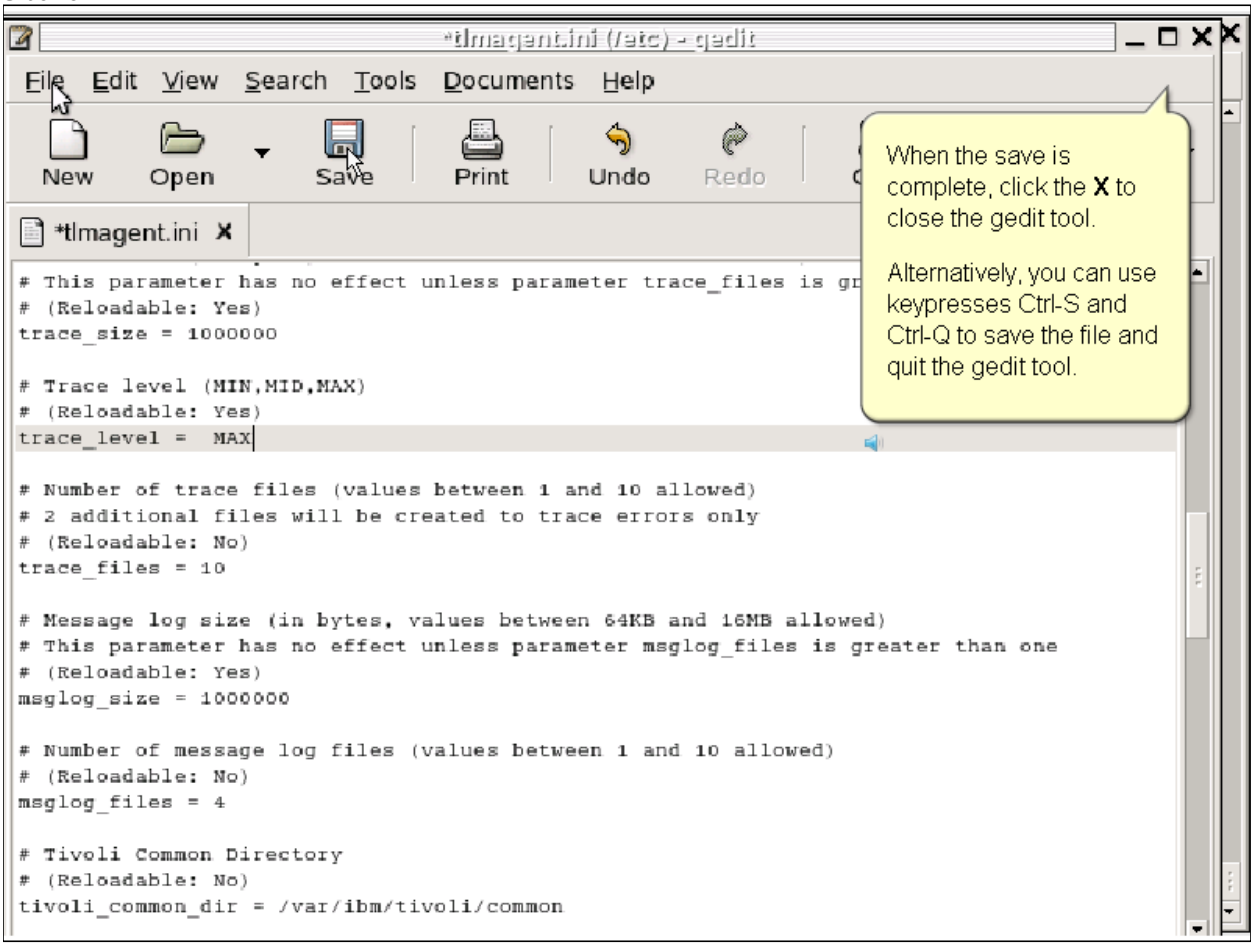
Slide 11


*tlmagent.ini (/etc) - gedit
File Edit View Search Tools Documents Help
New Open Save Print Undo Redo Cut Copy Paste
*tlmagent.ini
# This parameter has no effect unless parameter trace_files is greater than one
# (Reloadable: Yes)
trace_size = 1000000
# Trace level (MIN,MID,MAX)
# (Reloadable: Yes)
trace_level = MAX
# Number of trace files (values between 1 and 10 allowed)
# 2 additional files will be created to trace errors only
# (Reloadable: No)
trace_files = 10
# Message log size (in bytes, values between 64KB and 16MB allowed)
# This parameter has no effect unless parameter msglog_files is greater than one
# (Reloadable: Yes)
msglog_size = 1000000
# Number of message log files (values between 1 and 10 allowed)
# (Reloadable: No)
msglog_files = 4
# Tivoli Common Directory
# (Reloadable: No)
tivoli_common_dir = /var/ibm/tivoli/common

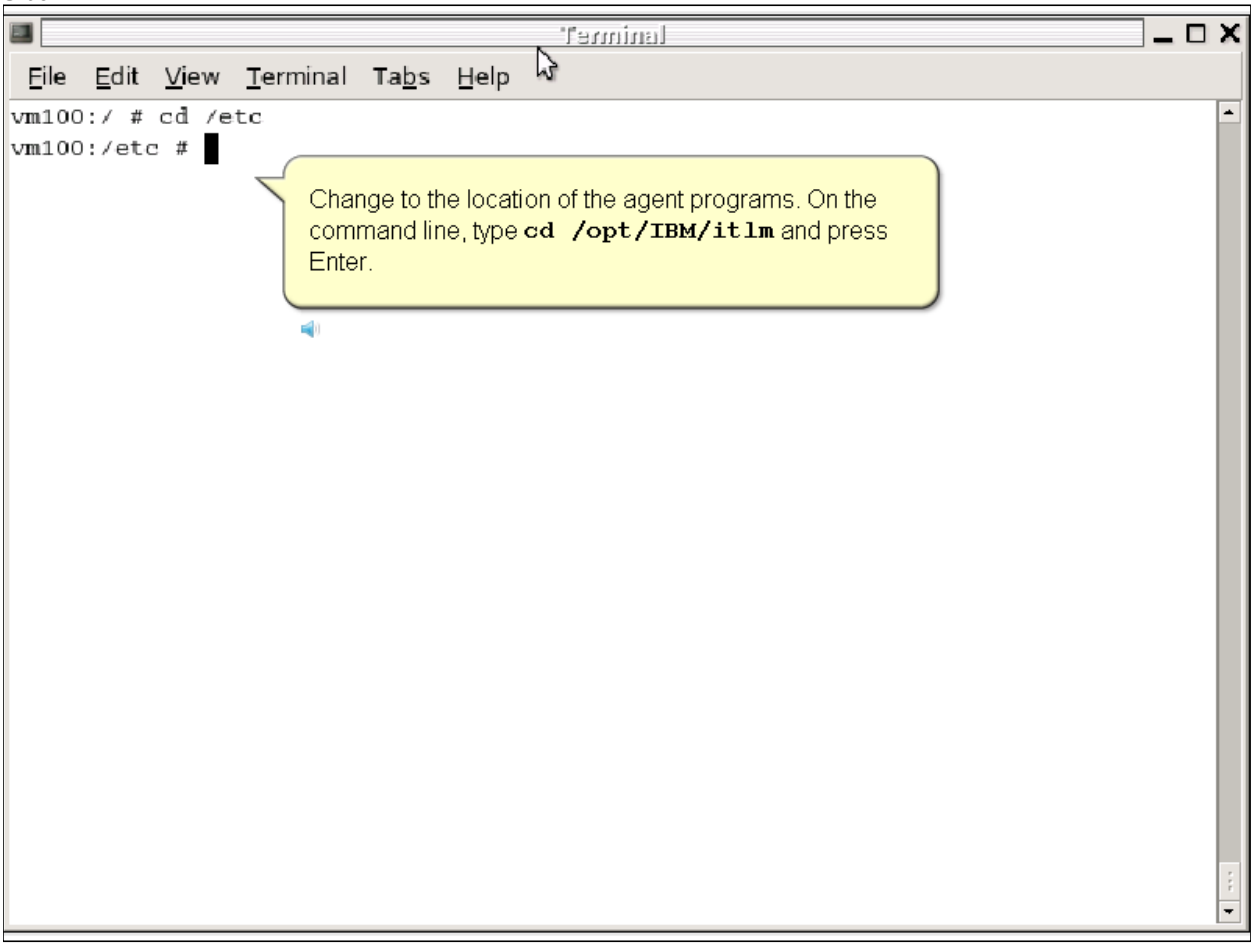
Slide 12


*tlmagent.ini (/etc) - gedit
File Edit View Search Tools Documents Help
New Open Save Print Undo Redo Cut Copy Paste
*tlmagent.ini
When the change has been made, click Save.
# This parameter has no ef files is greater than one
# (Reloadable: Yes)
trace_size = 1000000
# Trace level (MIN,MID,MAX)
# (Reloadable: Yes)
trace_level = MAX
# Number of trace files (values between 1 and 10 allowed)
# 2 additional files will be created to trace errors only
# (Reloadable: No)
trace_files = 10
# Message log size (in bytes, values between 64KB and 16MB allowed)
# This parameter has no effect unless parameter msglog_files is greater than one
# (Reloadable: Yes)
msglog_size = 1000000
# Number of message log files (values between 1 and 10 allowed)
# (Reloadable: No)
msglog_files = 4
# Tivoli Common Directory
# (Reloadable: No)
tivoli_common_dir = /var/ibm/tivoli/common

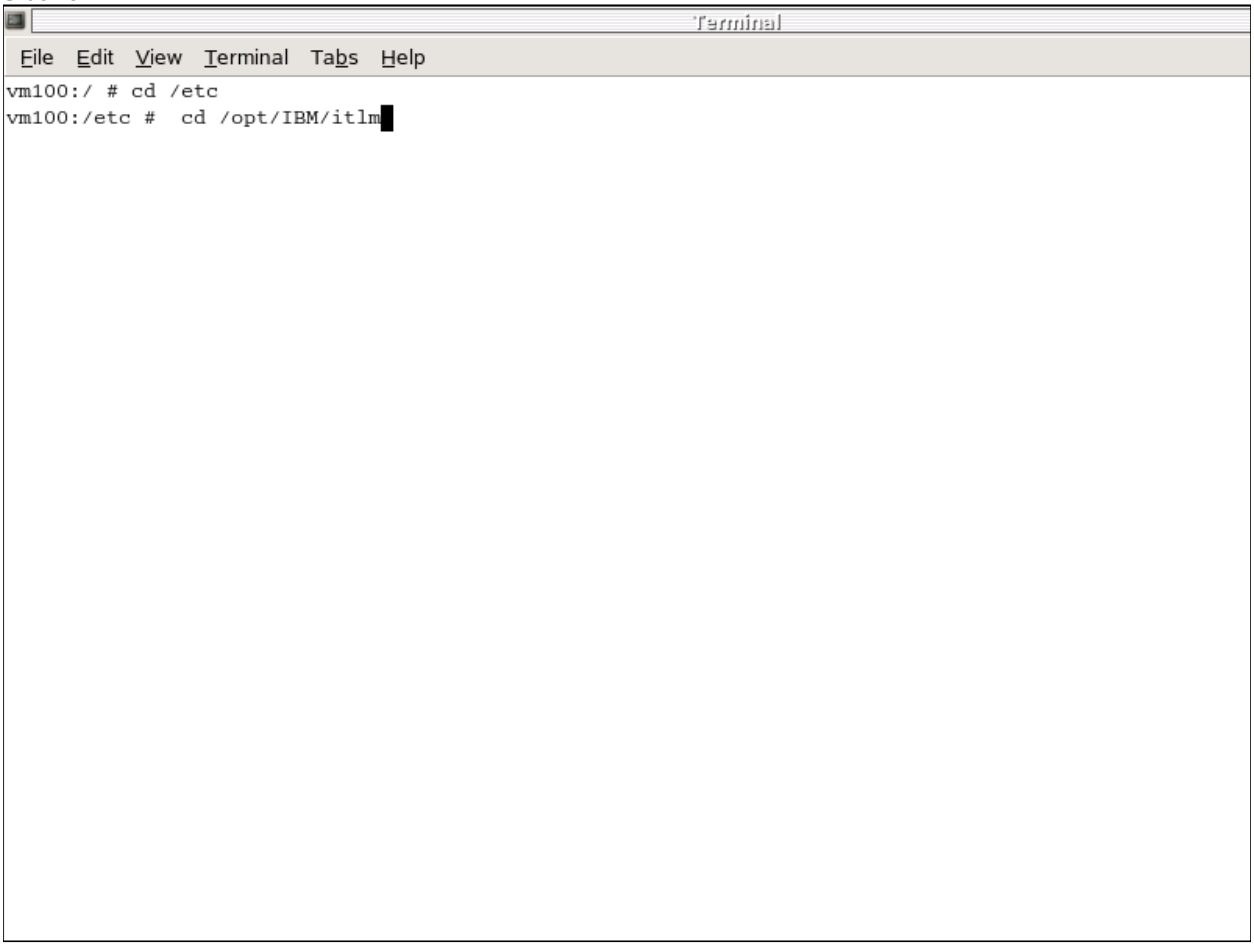
Slide 13


*tlmagent.ini (/etc) - gedit
File Edit View Search Tools Documents Help
New Open Save Print Undo Redo
*tlmagent.ini
# This parameter has no effect unless parameter trace_files is gr
# (Reloadable: Yes)
trace_size = 1000000
# Trace level (MIN,MID,MAX)
# (Reloadable: Yes)
trace_level = MAX
# Number of trace files (values between 1 and 10 allowed)
# 2 additional files will be created to trace errors only
# (Reloadable: No)
trace_files = 10
# Message log size (in bytes, values between 64KB and 16MB allowed)
# This parameter has no effect unless parameter msglog_files is greater than one
# (Reloadable: Yes)
msglog_size = 1000000
# Number of message log files (values between 1 and 10 allowed)
# (Reloadable: No)
msglog_files = 4
# Tivoli Common Directory
# (Reloadable: No)
tivoli_common_dir = /var/ibm/tivoli/common
When the save is complete, click the X to close the gedit tool.
Alternatively, you can use keypresses Ctrl-S and Ctrl-Q to save the file and quit the gedit tool.

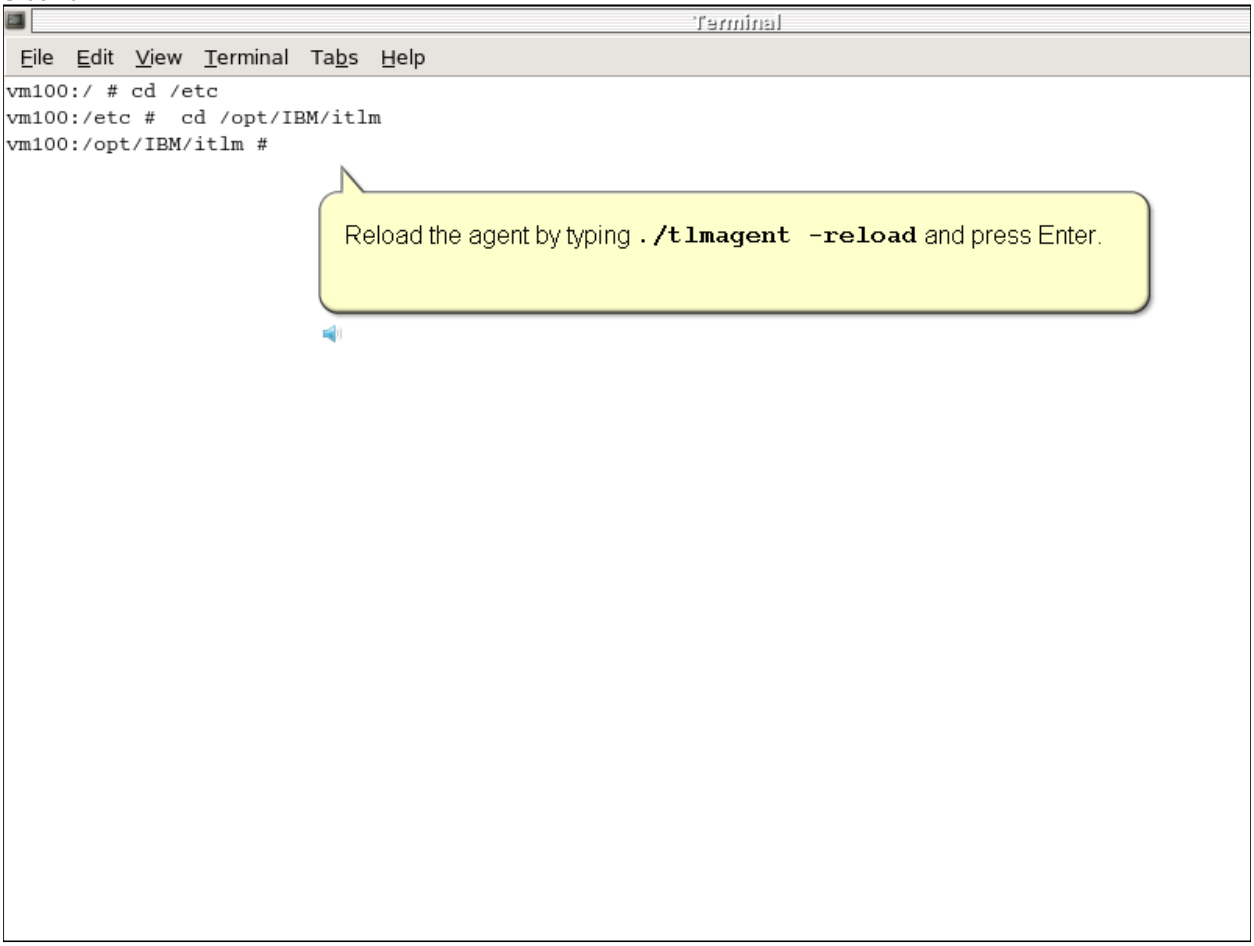
Slide 14


Terminal
File Edit View Terminal Tabs Help
vm100:/ # cd /etc
vm100:/etc #
Change to the location of the agent programs. On the command line, type cd /opt/IBM/itlm and press Enter.

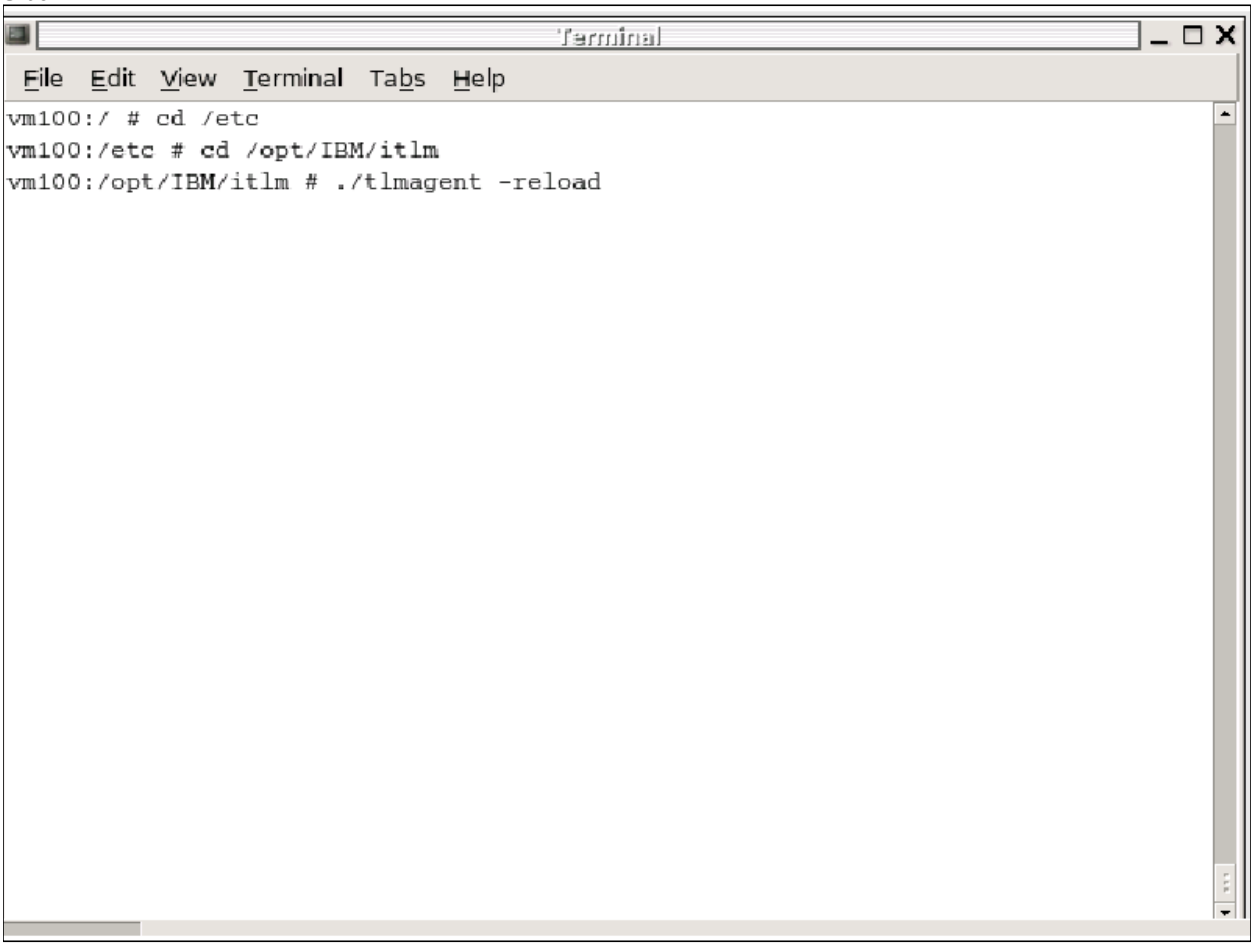
Slide 15


Terminal
File Edit View Terminal Tabs Help
vm100:/ # cd /etc
vm100:/etc # cd /opt/IBM/itlm

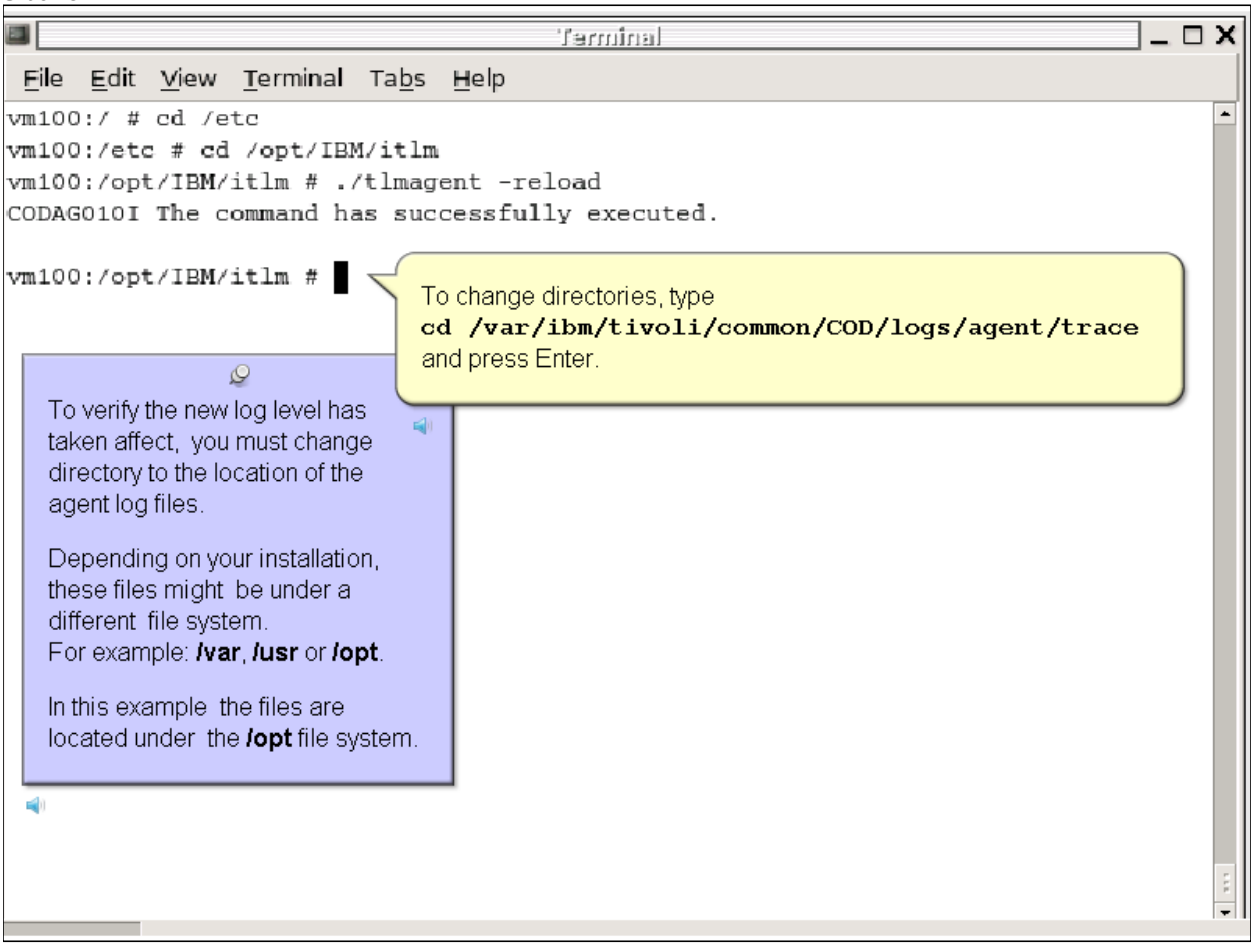
Slide 16


Terminal
File Edit View Terminal Tabs Help
vm100:/ # cd /etc
vm100:/etc # cd /opt/IBM/itlm
vm100:/opt/IBM/itlm #
Reload the agent by typing ./tlmagent -reload and press Enter.

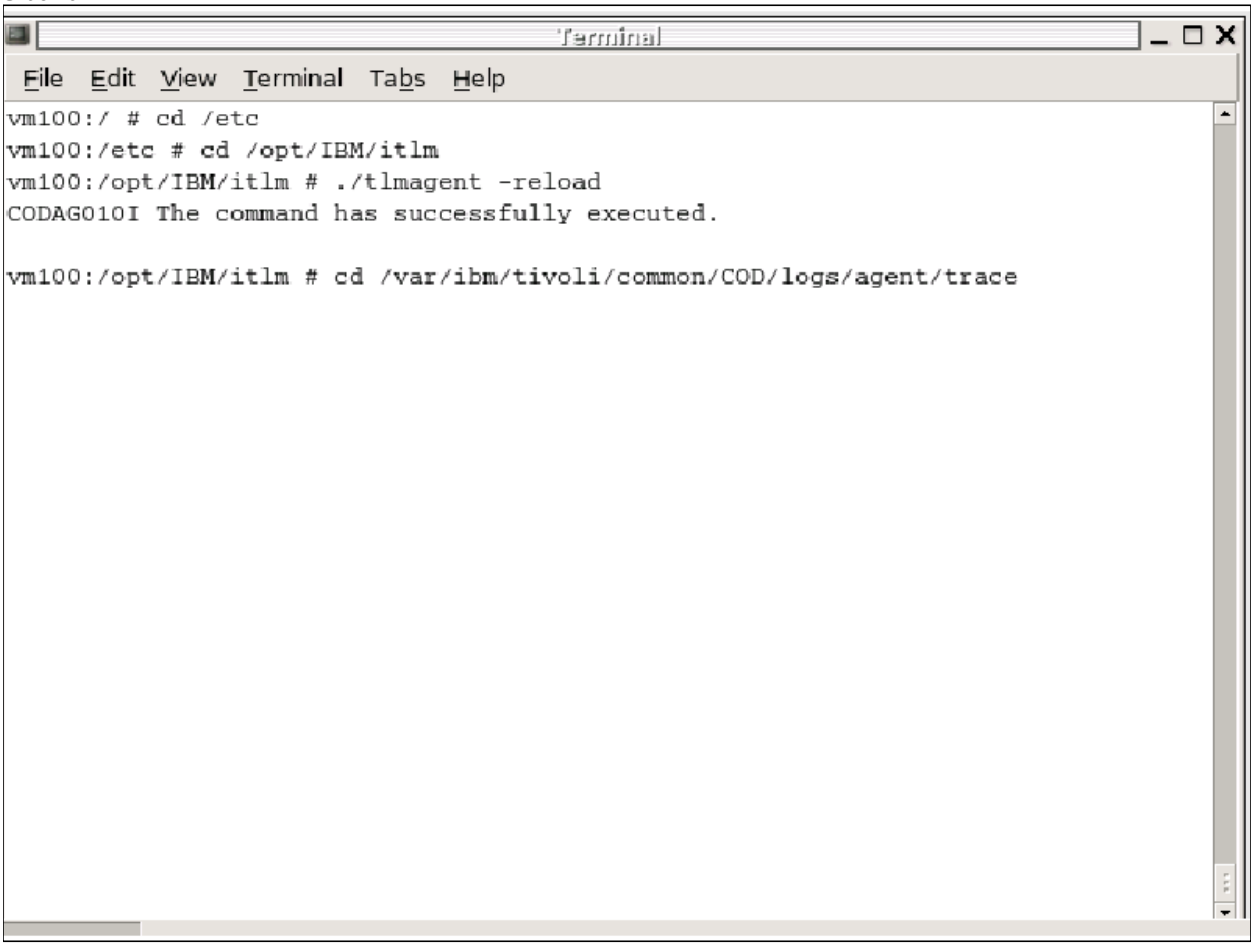
Slide 17


Terminal
File Edit View Terminal Tabs Help
vm100:/ # cd /etc
vm100:/etc # cd /opt/IBM/itlm
vm100:/opt/IBM/itlm # ./tlmagent -reload

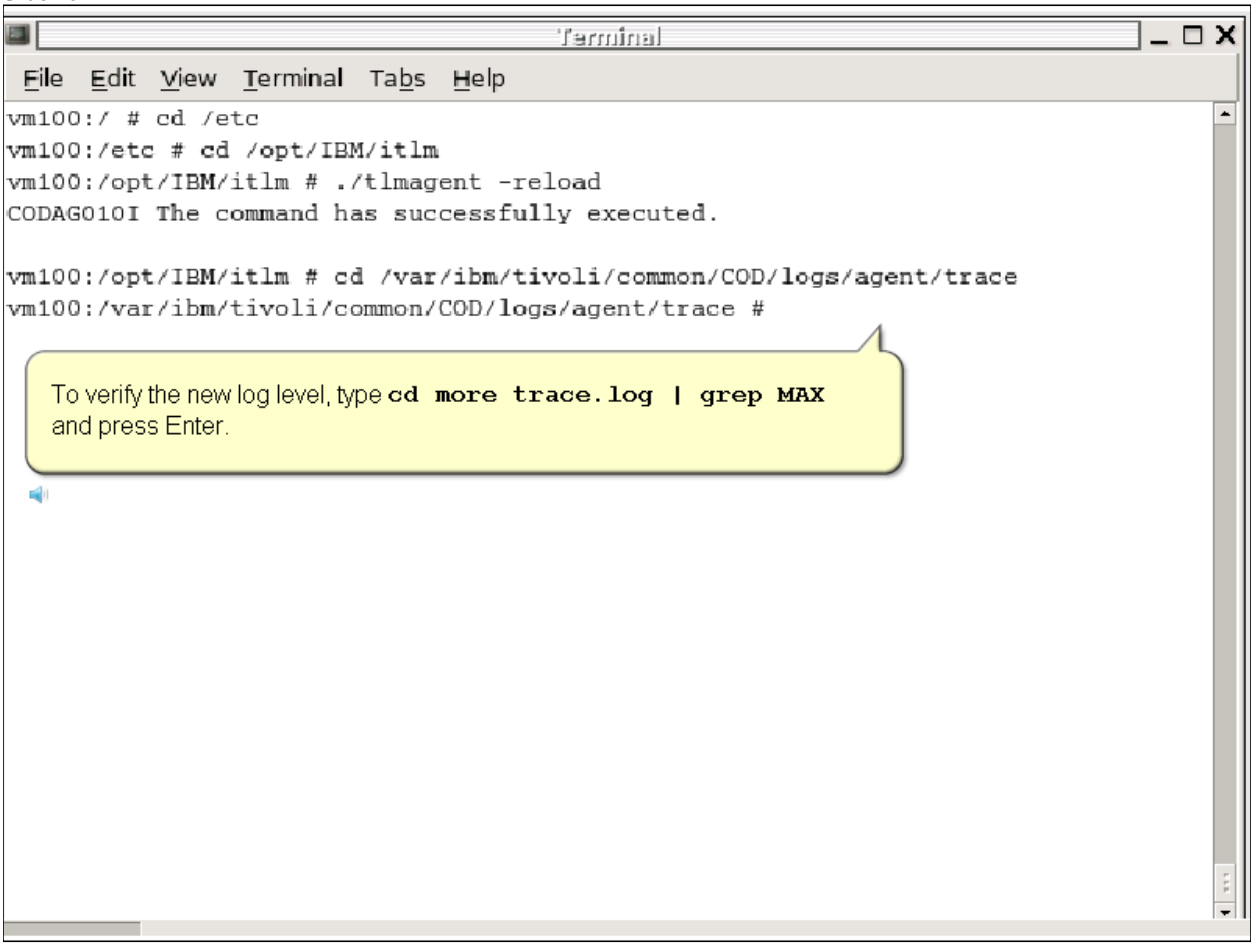
Slide 18


Terminal
File Edit View Terminal Tabs Help
vm100:/ # cd /etc
vm100:/etc # cd /opt/IBM/itlm
vm100:/opt/IBM/itlm # ./tlmagent -reload
CODAG010I The command has successfully executed.
vm100:/opt/IBM/itlm #
To change directories, type
cd /var/ibm/tivoli/common/COD/logs/agent/trace
and press Enter.
To verify the new log level has taken affect, you must change directory to the location of the agent log files.
Depending on your installation, these files might be under a different file system.
For example: /var, /usr or /opt.
In this example the files are located under the /opt file system.

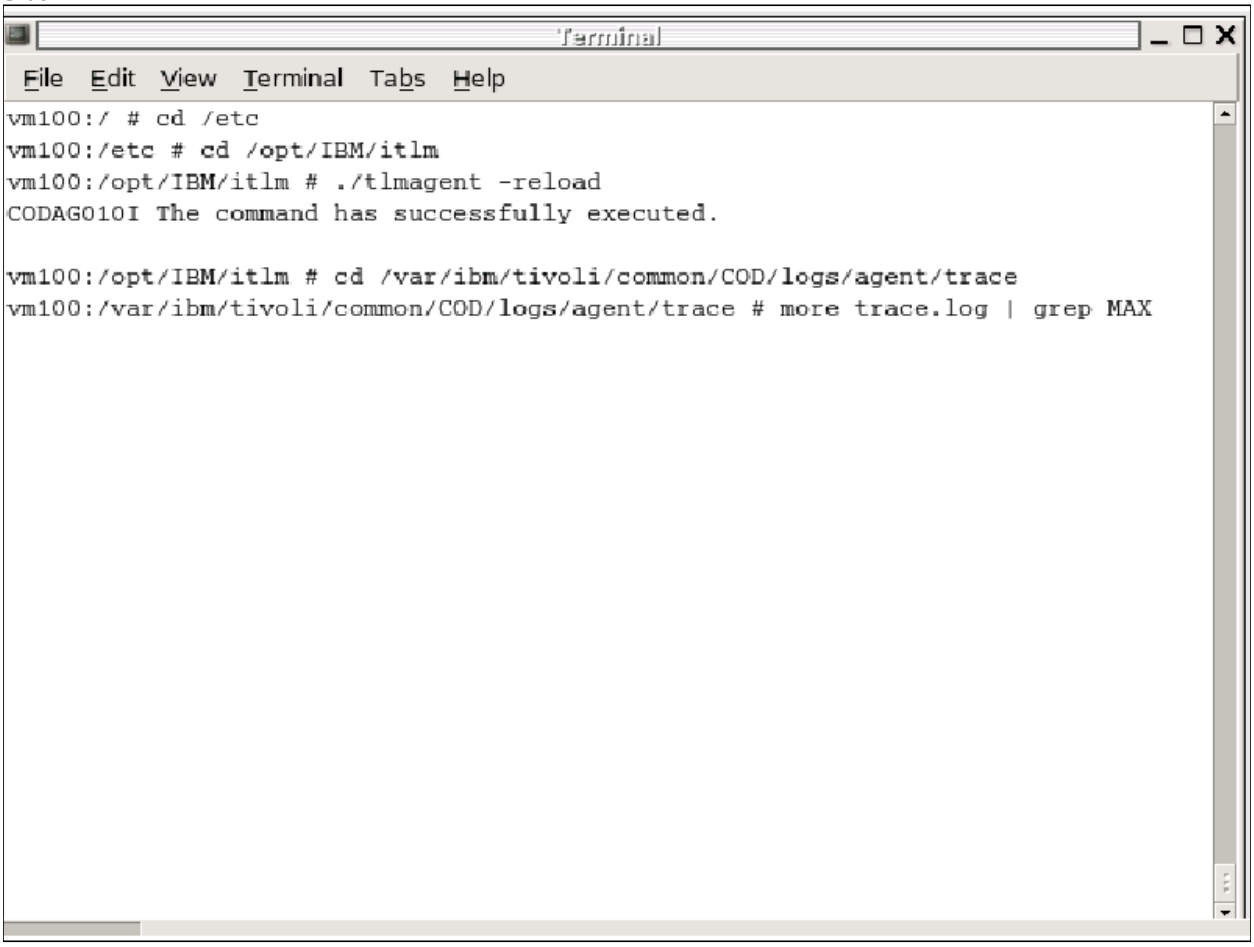
Slide 19


Terminal
File Edit View Terminal Tabs Help
vm100:/ # cd /etc
vm100:/etc # cd /opt/IBM/itlm
vm100:/opt/IBM/itlm # ./tlmagent -reload
CODAG010I The command has successfully executed.
vm100:/opt/IBM/itlm # cd /var/ibm/tivoli/common/COD/logs/agent/trace

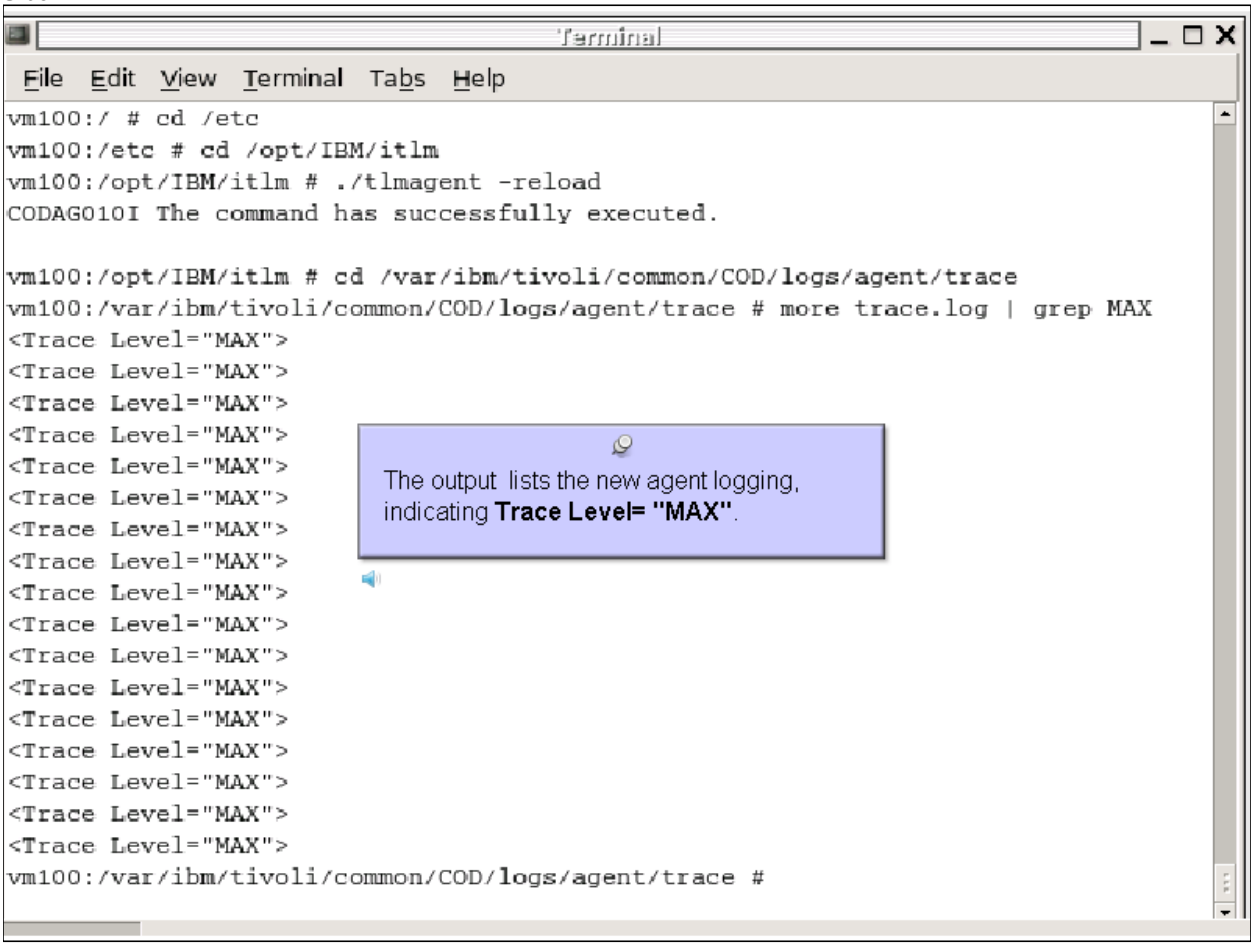
Slide 20


Terminal
File Edit View Terminal Tabs Help
vm100:/ # cd /etc
vm100:/etc # cd /opt/IBM/itlm
vm100:/opt/IBM/itlm # ./tlmagent -reload
CODAG010I The command has successfully executed.
vm100:/opt/IBM/itlm # cd /var/ibm/tivoli/common/COD/logs/agent/trace
vm100:/var/ibm/tivoli/common/COD/logs/agent/trace #
To verify the new log level, type cd more trace.log | grep MAX and press Enter.

Slide 21


Terminal
File Edit View Terminal Tabs Help
vm100:/ # cd /etc
vm100:/etc # cd /opt/IBM/itlm
vm100:/opt/IBM/itlm # ./tlmagent -reload
CODAG010I The command has successfully executed.
vm100:/opt/IBM/itlm # cd /var/ibm/tivoli/common/COD/logs/agent/trace
vm100:/var/ibm/tivoli/common/COD/logs/agent/trace # more trace.log | grep MAX

Slide 22


Terminal
File Edit View Terminal Tabs Help
vm100:/ # cd /etc
vm100:/etc # cd /opt/IBM/itlm
vm100:/opt/IBM/itlm # ./tlmagent -reload
CODAG010I The command has successfully executed.
vm100:/opt/IBM/itlm # cd /var/ibm/tivoli/common/COD/logs/agent/trace
vm100:/var/ibm/tivoli/common/COD/logs/agent/trace # more trace.log | grep MAX
<Trace Level="MAX">
<Trace Level="MAX">
<Trace Level="MAX">
<Trace Level="MAX">
<Trace Level="MAX">
<Trace Level="MAX">
<Trace Level="MAX">
<Trace Level="MAX">
<Trace Level="MAX">
<Trace Level="MAX">
<Trace Level="MAX">
<Trace Level="MAX">
<Trace Level="MAX">
<Trace Level="MAX">
<Trace Level="MAX">
<Trace Level="MAX">
vm100:/var/ibm/tivoli/common/COD/logs/agent/trace #
The output lists the new agent logging, indicating Trace Level= "MAX".

Slide 23

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Summary

Now that you have completed this module, you can perform the following tasks:

- Locate the **tlmagent.ini** file
- Use the gedit tool to configure UNIX agents to a maximum log level
- Locate the agent trace files
- Verify the logging is set to the correct value

Slide 24

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