

This presentation provides an overview of benefits of using the IBM Tivoli[®] Monitoring Agent for z/TPF.

		IBM
Goals		
 Purpose 	e of IBM Tivoli Monitoring Agent for z/TPF	
 Benefits 	s	
 Availab 	ility, requirements and documentation	
2	Overview of benefits	© 2010 IBM Corporation

The goals of this presentation are to communicate the purpose and benefits of IBM Tivoli Monitoring and the IBM Tivoli Monitoring Agent for z/TPF. The presentation highlights some of the primary benefits and concludes with information on availability, requirements and links to further documentation.

	IBM
Purpose of IBM Tivoli Monitoring Agent for z/TPF	
 Allow IBM Tivoli Monitoring to become the "client component" of TPF continuous data collection IBM Tivoli Monitoring Agent for z/TPF supports z/TPF and TPF4.1 	
 Allow TPF customers to use IBM Tivoli Monitoring features 	
3 Overview of benefits © 2010	IBM Corporation
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The purpose of the IBM Tivoli Monitoring Agent for z/TPF is to use IBM Tivoli Monitoring as the "client component" of continuous data collection. Continuous data collection is a performance monitoring tool that runs on TPF4.1 and z/TPF systems. The Agent supports both versions of TPF systems.

	IBM
Benefits	
 Create your own views of data 	
 Define custom situations and alerts 	
 Enterprise monitoring 	
 Centralized management 	
 Real-time and historical data 	
 Simple display of user data 	
4 Overview of benefits	© 2010 IBM Corporation

This slide highlights some of the benefits of IBM Tivoli Monitoring and the IBM Tivoli Monitoring Agent for z/TPF. Benefits include:

Customizable views of data

User defined situations and alerts

Enterprise monitoring

Centralized management

Real-time and historical data

Simple display of user data

	IBM
Create your own views of data	
 Default workspaces included with monitoring agent 	
 Customize and share workspaces Multiple table, graphing and charting options Filter data to see only you want to see Set thresholds to highlight warning and critical levels 	
Monitor any combination of continuous data collection metrics in a single workspace	
 Monitor multiple processors in single workspace 	
5 Overview of benefits © 20	10 IBM Corporation

User customizable views of data

The IBM Tivoli Monitoring Agent for z/TPF includes default workspaces, where a workspace is a group of views of various TPF continuous data collection data.

Users can create and share their own workspaces, choosing from a selection of table, chart and graph options. Additionally, there are filtering options to reduce display clutter and threshold options to provide visual aids in workspace views.

Continuous data collection metrics can be combined into a single workspace. For example, if a user wants to see Tape data and VFA data in a single workspace, they can create a workspace to do so.

Additionally, users can view multiple TPF processors in a single workspace, allowing users to see at a glance what is happening at a system complex level.

	TBM
Define custom situations and alerts	
 Situations generate alerts For example, Processor Utilization Percentage >= 95 	
 Sample situations are included with monitoring agent 	
 Create your own custom situations 	
 Alert options: Call an application – ex: send e-mail or text message Visual – indicator in displays Audio – alert nearby personnel Route alert to Tivoli Enterprise Console® 	
 Complex situations 	
 Controls over when situation generates an alert 	
6 Overview of benefits	© 2010 IBM Corporation

User defined situations and alerts

IBM Tivoli Monitoring includes the ability to define situations. When a situation becomes true, an alert is generated. The alert might be a visual indicator in an agent workspace, an audio alert or the situation can start an application such as for send an e-mail or text message to a mobile phone.

An example of a situation might be to generate an alert if processor utilization reaches 90%.

Situations can be written to monitor complex scenarios. For example, a situation can be created monitor for a case where DASD I/O is high and system block usage is high between 12AM and 6AM.

		IBM
Enterprise	e monitoring	
	⁻ systems in same environment as other systems	
 For example 	e, z/TPF and z/OS [®]	
7	Overview of benefits	© 2010 IBM Corporation

Enterprise monitoring

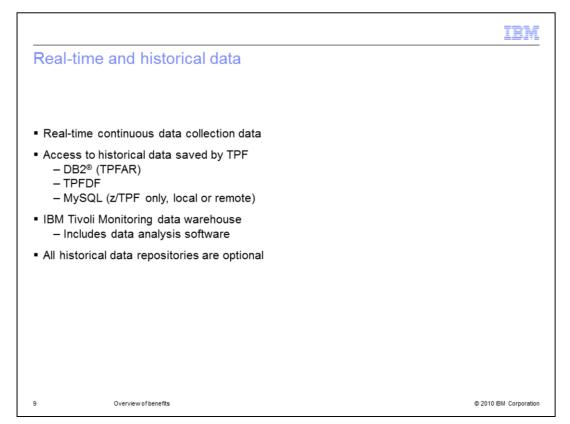
Use of the IBM Tivoli Monitoring Agent for z/TPF allows TPF customers to monitor their TPF system in an environment capable of monitoring other non-TPF system such as z/OS or AIX[®].

	IBM
Centralized management	
 IBM Tivoli Monitoring Agent for z/TPF is typically installed on a server and mar systems support personnel Monitoring agent is multi-instance One run-time instance per TPF processor 	aged by
 No need to install software on users workstation Tivoli Enterprise Portal Server browser interface 	
 Simplifies software upgrades 	
8 Overview of benefits	© 2010 IBM Corporation

Centralized management

Typically the IBM Tivoli Monitoring Agent for z/TPF is installed on a server maintained by systems support personnel. The agent is multi-instance and each instance monitors a single TPF processor.

The IBM Tivoli Monitoring interface is the Tivoli Enterprise Portal. There are two portal options. A Java[™] based desktop client and a browser client. If the browser client option is used, users will need to install no software on their workstation to monitor their TPF systems.



Real-time and historical data

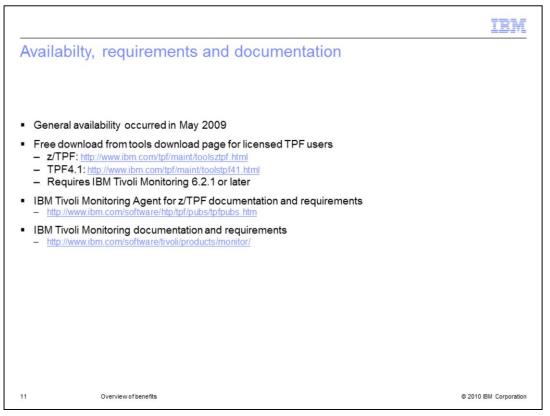
The IBM Tivoli Monitoring Agent for z/TPF displays real-time continuous data collection data and can optionally be configured to display historical data saved by the continuous data collection collector on TPF.

Also, the IBM Tivoli Monitoring environment includes a data warehousing feature which is supported by the IBM Tivoli Monitoring Agent for z/TPF. The data warehouse option provides analytical software to help you understand system performance and trends over time. That analysis can be used to set situations and thresholds.

		IBM
Sim	ple display of user data	
 For 	z/TPF customers only	
	IBM Tivoli Monitoring Agent for z/TPF changes required to display user dat	a
 Allo 	ws use of all IBM Tivoli Monitoring features	
 Full 	historical data support	
10	Overview of benefits	© 2010 IBM Corporation

User data improvements

For z/TPF customers, a new user exit, cdcc.c, is available to add user data to continuous data collection data. The user exit allows individual values to be added to collections at a user controlled frequency. No changes to the IBM Tivoli Monitoring Agent for z/TPF are required to display user data values. IBM Tivoli Monitoring features such as customizations and situations can be applied to user data. User data is also optionally written to all supported historical data repository.



The IBM Tivoli Monitoring Agent for z/TPF became generally available in May of 2009. The IBM Tivoli Monitoring Agent for z/TPF is a free download for licensed TPF users. The agent requires IBM Tivoli Monitoring 6.2.1 or later. Provided on this slide are links to the agent download, agent documentation and to IBM Tivoli Monitoring documentation.

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