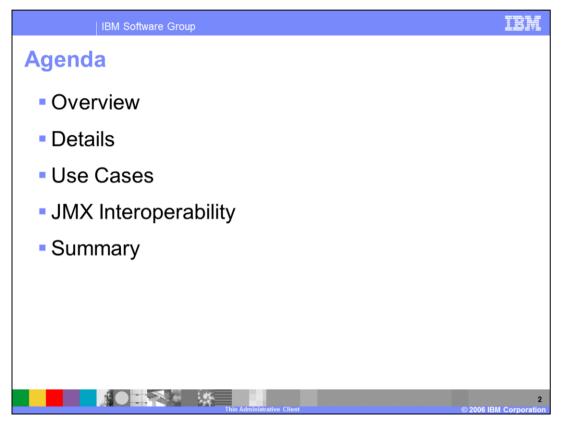
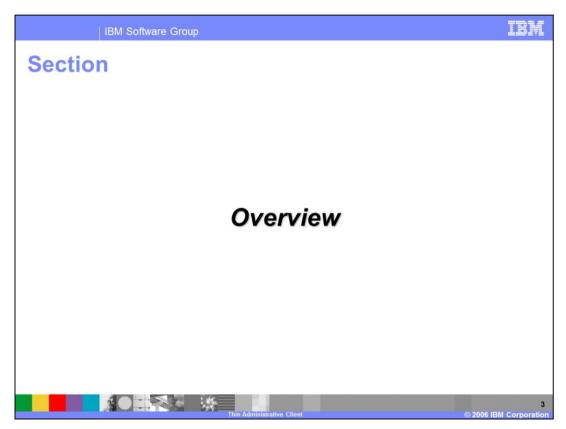


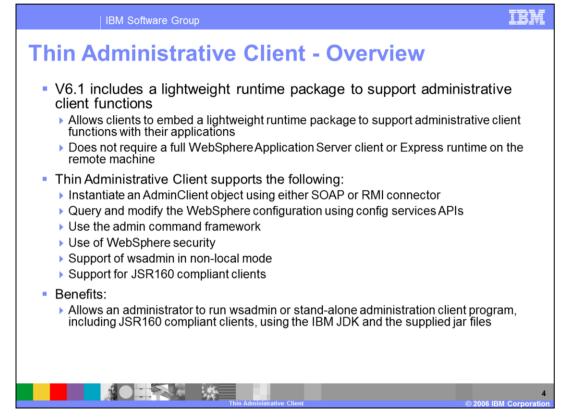
This presentation will discuss the Thin Administrative Client – a new feature, introduced in the 6.1 release of WebSphere[®] Application Server.



This presentation will first give an overview of the Thin Administrative Client, followed by slides describing more of the details, and possible use cases. Following those sections is a section on JMX Interoperability that discusses interoperability in a cell with mixed versions of WebSphere Application Server. The final section is a summary of what was covered in the presentation.

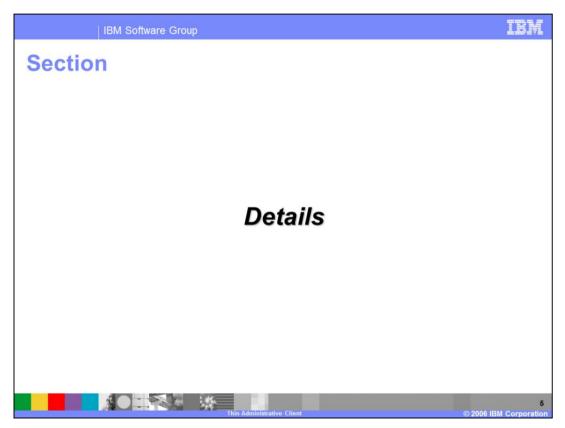


This section will introduce the Thin Administrative Client.

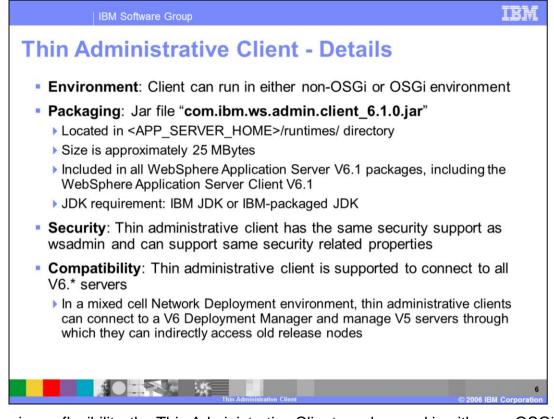


Previous versions of WebSphere Application Server required that you install WebSphere Application Server or a WebSphere Application Server Client product to develop or run administrative client programs. Apart from the formal install of the product, the amount of disk space required varied from 100 megabytes to 600 megabytes. The Thin Administrative Client is packaged in a single jar file that is approximately 25 megabytes in size. This single jar file supports development and execution of WebSphere Application Server administrative clients.

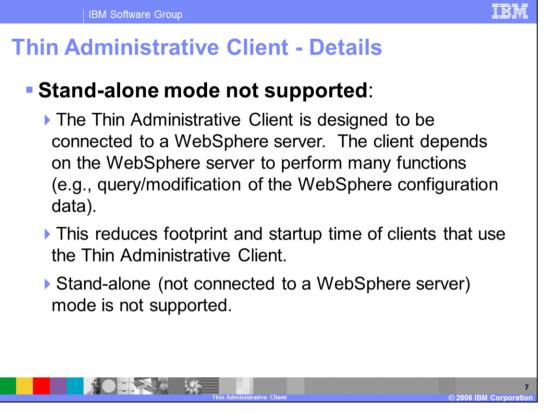
The Thin Administrative Client supports creation of a SOAP or RMI connector to a WebSphere Application Server, query and modification of WebSphere Application Server configuration data, and use of the WebSphere Application Server admin command framework. It also supports WebSphere Application Server security, wsadmin in non-local mode, and JSR160 compliant clients.



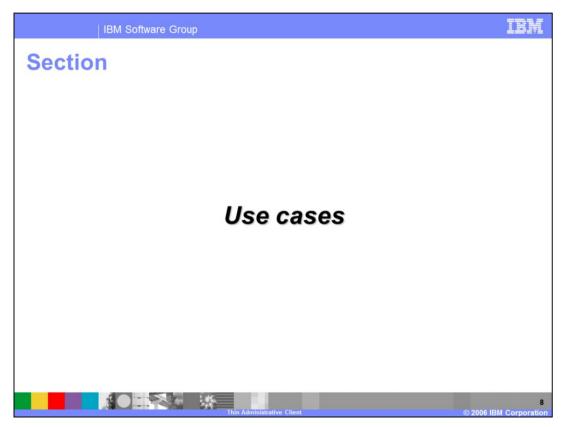
This section will provide more details of the Thin Administrative Client.



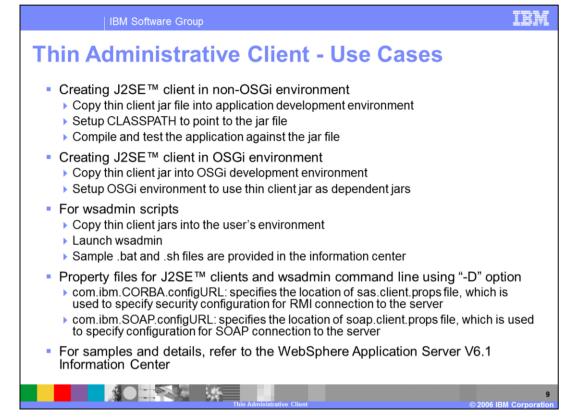
For maximum flexibility, the Thin Administrative Client can be used in either an OSGi or a non-OSGi environment. It can be used with a JDK (Java[™] Development Kit) produced by IBM or a JDK that has been packaged by IBM for use with WebSphere Application Server version 6.1. Normal WebSphere Application Server security features are supported. Clients that use the Thin Administrative Client jar file can be used to connect to all WebSphere Application Servers at the 6.0 or later level.



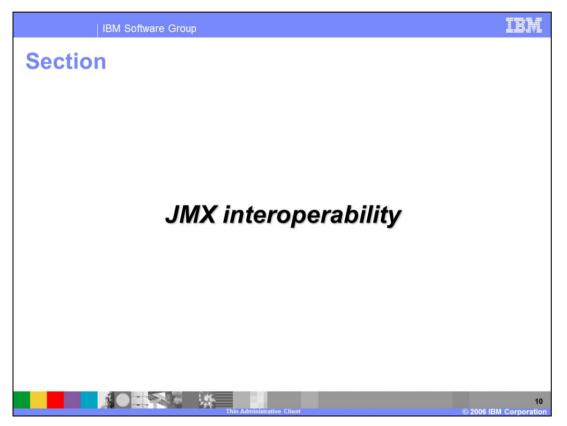
To reduce footprint and startup time, The Thin Administrative Client relies on WebSphere Application Server to perform many functions. Because of this, the client must be connected to WebSphere Application Server to fully function.



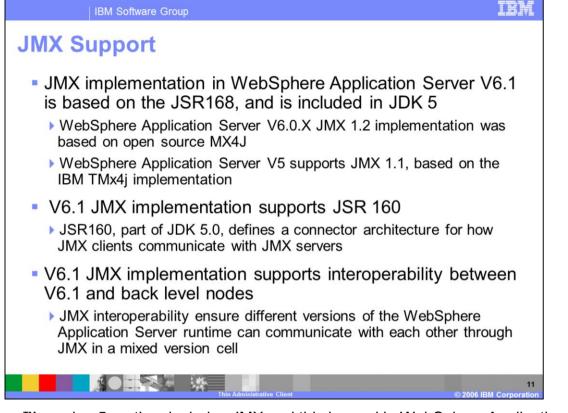
This section will discuss some possible use cases for the Thin Administrative Client.



Some of the possible use cases for the Thin Administrative Client are shown on this slide. The information on this slide is meant to show scenarios at a very high level. For detailed information and examples, you should consult the WebSphere V6.1 Information Center which describes the above scenarios and others.



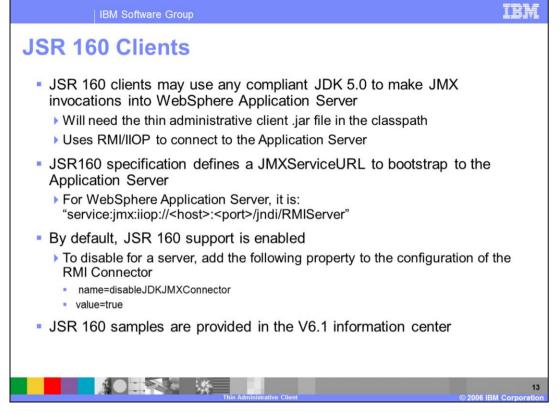
This section describes JMX interoperability in a cell where nodes may be running different release versions of WebSphere Application Server.



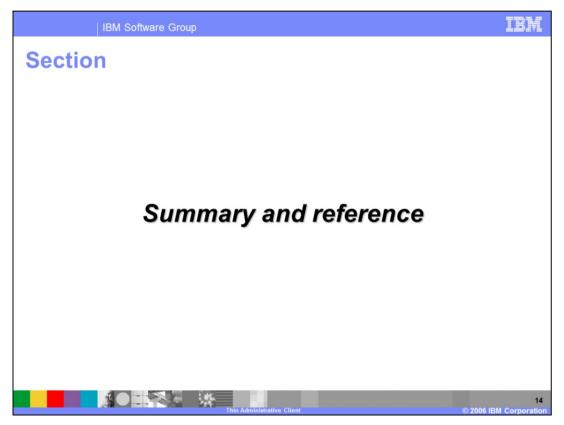
The Java[™] version 5 runtime includes JMX and this is used in WebSphere Application Server V6.1. Although previous versions of WebSphere Application Server used other implementations of JMX, WebSphere Application Server has been designed with so that JMX interoperability can occur in most cases. This ensures that different versions of WebSphere Application Server can communicate with each other in a mixed version cell environment with a few exceptions that are shown on next page. A client program that uses the Thin Administrative Client can perform administrative functions on any server in a cell.

Mixed Version Cell Y V6.1 V6.0.2 Y Y V6.1 V6.0.1 N SOAP is not supported d to a bug in MX4J, which was fixed in V6.0.2 – If mixed cell is required with
V6.1 V6.0.1 N N to a bug in MX4J, which was fixed in V6.0.2 – If
V6.1, upgrade V6.0.1 to V6.0.2
V6.1 V5.0, V5.1 N Y
V6.0.2 V5.0, V5.1 N Y
V6.0.1 V5.0, V5.1 N Y

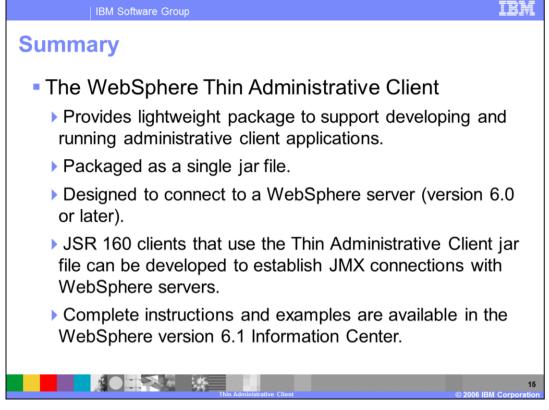
This slide shows the various versions WebSphere Application Server and support for JMX interoperability by connector type between them. Using a SOAP connector, the only combination where interoperability is not supported is between versions 6.1 and 6.0.1. However, the version 6.0.1 installation can be upgraded to version 6.0.2 and full interoperability will be available. Using an RMI connector, JMX interoperability is supported only between versions 6.1 and 6.0.2 of WebSphere Application Server.



A JSR 160 client program that uses the Thin Administrative Client jar file file can use the WebSphere Application Server implementation of JMX provider. In this way, the client will use the WebSphere Application Server classes needed for method parameters, return values, and exceptions. JSR 160 JMX invocations correspond to the existing WebSphere Application Server RMI or SOAP Connectors, including the automatic re-routing of calls from the Deployment Manager to node agents and application servers as needed. The WebSphere Application Server V6.1 information center contains more details and sample code for building JSR 160 clients.



This section will summarize the Thin Administrative Client in version 6.1



Version 6.1 of WebSphere Application Server introduces the Thin Administrative Client. The Thin Administrative Client is offered to provide a lightweight package that supports developing and running administrative clients. It is packaged as a single jar file and supports a wide range of client functions.

Complete information on the Thin Administrative Client is available in the WebSphere Application Server 6.1 Information Center.

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