

This module illustrates the process to increase the version of an Agent Builder agent.

	IBM
Assumptions	
Before you proceed, you must have these prerequisites in place:	
<ul> <li>Tivoli<sup>®</sup> Monitoring Agent Builder tool is installed on a supported Microsoft<sup>®</sup> Windows<sup>®</sup> machine</li> </ul>	
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For the purposes of this illustration, you must have the Tivoli Monitoring Agent Builder tool installed on a supported Microsoft Windows machine.



When you complete this module, you can commit a version of the agent, understand allowed and prohibited actions, and change the product code and version.

Commit a version of t	he agent			TDM
To commit an agent	Sagent Editor Test, Ping, Agent 🖄			
<ul> <li>Open the Agent Editor window, Agent Information page.</li> </ul>	Product code     K00       Version     623       Patch level     Support multiple instances of this agent       Copyright     Copyright 2009. All rights reserved.	Company identifier VC Agent identifier ST Display name Te Minimum ITM version 62	GC TATEMON est.Ping.Agent 2	
<ul> <li>In the Commit Agent Version area, click commit this level.</li> </ul>	Agent Content The advanced information for the agent can be accessed by clicking the links below or by opening the <u>Outline View</u> . Cil <u>Default Operating Systems</u> : lists the default operating systems selected for this agent. Associated Systems: lists the settings for bundling support files with the agent. Associated Systems Systems variables: lists the environment variables defined in this agent.	Test Agent           Iest the agent without leaving the Agent Builder. The Agent Test perspective will open where the agent can be configured and started.           Generate Agent           To generate the agent, export the agent in a format that is suitable for deployme using the <u>Generate Agent Wixard</u>		 ₽ ₽
<ul> <li>There is a limit of 1024 versions.</li> </ul>	Ger Watchdog Information:       lists the watchdog settings for this agent.         Image: Cognos Information:       lists settings used to gen as the cognos with wile agent.         Image: Cognos Information:       lists settings used to gen as the cognos with wile agent.         Image: Cognos Information:       lists settings used to gen as the cognos with wile agent.         Image: Cognos Information:       lists settings used to gen as the cognos with wile agent.         Image: Cognos Information:       lists the configuration parameters presented to the user at agent runtime.		testing the agent and are ready to ship it, you must <u>comm</u> begin working on the next version.	ng` nit
	Agent Information Data Sources Runtime Configuration itm_toolkit_agent.xml			
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Tivoli Monitoring systems require that new versions of an agent include all of the information that is contained in the previous versions of that agent.

Including all information from previous versions is necessary so workspaces, situations, and queries continue to work with a mixture of old and new agents.

After you develop and test an agent, you must commit the agent. There is a limit of 1024 versions.

To commit:

In the Agent Builder tool, Open the Agent Editor window, Agent Information page.

In the Commit Agent Version area, click commit this level.

Back up the committed agent or check it into your version control system.

After you commit an agent, any additional changes to the agent are part of a new version. You must enter the new version number before the additional changes can be saved. Any changes to the new version must not break compatibility with previous versions of the agent.

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Modifications to the agent: Allowed actions	_
You can complete the following actions after you commit the agent:	
<ul> <li>Add new attributes to existing attribute groups</li> </ul>	
<ul> <li>Add new attribute groups</li> </ul>	
<ul> <li>Reorder new attributes</li> </ul>	
<ul> <li>Organize new attribute groups by using navigator items</li> </ul>	
Create new subnode types	
<ul> <li>Add new queries</li> </ul>	
<ul> <li>Add new situations</li> </ul>	
<ul> <li>Add new workspaces</li> </ul>	
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After you commit the agent, you can complete any or all of the actions that are listed here.

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Modifications to the agent: Prohibited actions	
The following actions are prohibited on objects that existed before the agent was committed:	
Delete attribute groups	
<ul> <li>Reorder existing attributes in an attribute group</li> </ul>	
<ul> <li>Reorganize existing attribute groups (by using Navigator items)</li> </ul>	
<ul> <li>Delete attributes from an attribute group</li> </ul>	
<ul> <li>Move attribute groups or navigator groups into or out of subnodes</li> </ul>	
<ul> <li>Rename attribute groups</li> </ul>	
<ul> <li>Rename attributes</li> </ul>	
<ul> <li>Change data types of existing attributes</li> </ul>	
<ul> <li>Change a subnode name or type if it contains an attribute group that existed before the age committed</li> </ul>	ent was
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After you commit the agent, you cannot complete the actions that are shown here on objects that existed before the agent was committed.

	IBM
(1 of 2) Change the product code of the agent	
<ul> <li>If you change the product code, you have an agent that is incompatible with any previous version agent</li> </ul>	on of the
<ul> <li>Any records of previous commit actions are lost and you are developing a new agent</li> <li>If you try to change the product code, you are reminded of this deletion and asked if you way</li> </ul>	ant to
<ul> <li>If you if y to change the product code, you are reminded of this deletion and asked if you wa continue</li> <li>Application support files that are inspected into the preject on lest</li> </ul>	
- Application support files that are imported into the project are lost	
Agent Product Code	
Changing the product code will make this agent incompatible with previous versions. Do you want to continue?	
<u>Y</u> es <u>N</u> o	
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If you change the product code, you have an agent that is incompatible with any previous version of the agent. Any records of previous commit actions are lost and you are developing a new agent.

Any files, situations, Take Action commands, or workspaces that you exported from IBM Tivoli Monitoring and imported into the agent are deleted from the agent. If you try to change the product code, you are reminded of this deletion and asked if you want to continue.

	IBM
(2 of 2) Change the product code of the agent	
<ul> <li>When you click Yes in the Agent Product Code window, warning window is displayed</li> </ul>	
Information     KQ20177E Changing the product code has invalidated the contents of the     agent's support files. The files will be removed.     OK	
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When you click Yes in the Agent Product Code window, you are warned that the contents of the agent support files are no longer valid. You are also warned that the files will be removed next time the agent is saved.

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Changing a	subsequent version of your agent	
To save change	s to a committed agent, you must first enter a new version number.	
<ul> <li>Open the Age</li> </ul>	ent Editor window, Agent Information page.	
<ul> <li>Enter a new v</li> </ul>	ersion or patch level after the Version prompt.	
	🐵 Update Agent Version	
	Update Agent Version	
	Specify a new version for the agent.	
	Version 622	
	Patch level 01	
	⑦         OK         Cancel	
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You must enter a new version number to make and save changes to the agent.

Make the edits to your agent. If you forget to change the agent version, you are prompted for the new version when you save any of your changes.

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Changes in itm_toolkit_agent.xml file	
<ul> <li>These tags are updated after you increas the version of the agent: <agent_ship_date date="2014-09-10" product_version="622"></agent_ship_date> version="2"&gt; <product_version initial_product_version="622" product_version="623"></product_version> <agent_version value="2"></agent_version> <attribute 2"="" cnp_name="Date" column_id="DATE" help_text="Date of last ping" show_attr_cnp="tru-version="> </attribute></li> </ul>	e"
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Some tags in the agent itm\_toolkit\_xml file are updated after you increase the version of the agent.

The version property in AGENT\_SHIP\_DATE XML tag is updated to the next number.

The product\_version property is added or updated to the version specified on the version field in the Agent Information page.

The AGENT\_VERSION value is increased to the next number.

When a new attribute is added, the new version of the agent is added to the version property of the attribute. The version of the existing attributes does not change.

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Sum	nmary	
■ Nov	v that you completed this module, you can perform these tasks: Commit a version of the agent	
-	Modifications to the agent: Allowed actions	
_	Changes to product code and version	
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Now that you completed this module, you can commit a version of the agent, understand allowed and prohibited actions, and change the product code and version.

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