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# Workbench User's Guide

Pre-Upgrade Steps - Windows

## Pre-Upgrade Steps - Windows

### Warning

- **Before commencing the Workbench upgrade - please ensure the Workbench Host(s) have 'free' at least 3 times the size of the "<WORKBENCH\_INSTALL>/ElasticSearch/data" directory - else the Workbench upgrade process will fail and Workbench data integrity and operation will likely be compromised.**

### Important

- Before proceeding with a Workbench upgrade:
  - Ensure **ALL** of the **current/old** Workbench version Services are **Started/Running** for a successful upgrade - on ALL Workbench Nodes (i.e. Primary and Additional)
  - At the end of a successful upgrade, ALL the old Workbench version Services will be **Stopped** set to **Manual**
- The Workbench Agent Service in the Primary Workbench Node should be up and running without any interruptions until all the associated Additional Nodes are upgraded from 9.2 to 9.3.000.00

### Important

- For Workbench 9.2 to 9.3 upgrades:
  - During the upgrade to 9.3, Workbench component statuses may be inaccurate until all Workbench Cluster Nodes are fully upgraded/completed
  - The Workbench Primary Services should be up/running before commencing any Workbench 9.3 Node2, Node3, NodeN upgrades
  - Existing Dashboards/Visualizations will be migrated with a "\_9.2" suffix
  - The migrated "\_9.2" Dashboards/Visualizations will not be functional given the changes from Kibana 7.1 to 7.17
  - As such, when opening the migrated "\_9.2" Dashboards/Visualizations, a Warning icon/message will be displayed
  - Even though the migrated "\_9.2" Dashboards/Visualizations are not functional and

display a Warning, the logic for migrating is to provide context for previously created Dashboards/Visualizations

- When upgrading from Workbench 9.2 to 9.3, the migrated Visualizations cannot be deleted; this will be addressed in a future Workbench 9.x release

## Workbench N-1 Upgrade

### Important

- **Workbench only supports an N-1 upgrade path**
- Please ensure you are on the immediate previous Workbench release before upgrading
- i.e. Do not upgrade directly from 9.0.000.00 to 9.1.100.00 - instead from 9.0.000.00 upgrade to 9.1.000.00, then upgrade to 9.1.100.00
  - Follow this approach for each and every Workbench release upgrade

## Workbench 9.1.100.00 to 9.2.xxx.xx upgrade - DataSync Utility

### Important

- If/when your Workbench deployment has **multi Data-Center's that are synchronized**, please follow these steps below to avoid Workbench multi Data-Center data discrepancies

1. On the Workbench Primary Node/Host (i.e. APAC)
2. Extract the new downloaded "*Workbench\_9.2.xxx.xx\_WINDOWS.zip*" file to a working `{WORK_DIR}` directory (i.e. C:\tmp)
3. Navigate into the "`{WORK_DIR}\Workbench_9.2.xxx.xx_WINDOWS\ip\windows`" directory
4. Extract the "`{WORK_DIR}\Workbench_9.2.xxx.xx_Installer_Windows.zip`" file
5. Navigate into the "`{WORK_DIR}\Workbench_9.2.xxx.xx_Installer_Windows`" directory
6. Open a Command/Powershell Console **As Administrator** in the `{WORK_DIR}\Workbench_9.2.000.00_Installer_Windows\ip\windows` directory

7. Run "wb\_patch.bat"
8. Enter the Workbench **Primary ZooKeeper IP\_ADDRESS:PORT** of the Workbench Primary Node/Host (i.e. 10.20.30.40:2181)  
\*If the Workbench Zookeeper has authentication enabled, provide the respective Primary Zookeeper username and password
9. The DataSync Utility will execute and provide progress information in the console.
10. It is a one time process and we don't require the steps while upgrading other Data centers.

### Warning

- Only now commence the 9.1.100.00 to 9.2.xxx.xx Workbench upgrade