SDA

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KBE

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KBE 9.0 – 9.1 – 9.2 (Oct 15, 2024)
Reference KB article 184391

Before creating a KBE, it is crucial to prepare a Windows 10 or Windows 11 system and drivers. It's recommended to use an isolated system, as antivirus software can interfere with the KBE build process.

- **Error Handling Tips:**
  - If you encounter a **VBGetMAC null** error, refer to this guide: [Quest Support](#).
  - For the **Script Error 8004100c** when loading KBE, check this link: [Quest Support](#).

Steps to Create a KBE:

1. **Set Up a VM**
   Ensure that the VM can connect to the KACE System Deployment Appliance (SDA) and has the following installed:
   - [Windows 11 ADK](#)
   - [WinPE Addon](#) (this is now required, make sure it's installed)
2. **Backup and Update Drivers**
   a. Go to the KACE SDA Samba Share Driver folder and back up these directories:
   `\\KaceSDA\drivers\kbe_windows_x64`
   `\\KaceSDA\drivers\kbe_windows_x86`

   > " *Note: You may need these drivers to recreate a KBE for previous versions of Windows.*

   b. Delete all folders and files inside the above directories.

   c. Download the latest KBE Driver Pack from [Dell Support](#). Extract the CAB file using 7-Zip or WinRAR (Windows' default extractor won't work). Then, copy the folders as follows:
   - Copy the `x64` folder to: `\\KaceSDA_IP\drivers\kbe_windows_x64`
   - Copy the `x86` folder to: `\\KaceSDA_IP\drivers\kbe_windows_x86`
   d. Re-cache the drivers in the KACE SDA console by going to **Settings → Appliance Maintenance**.
3. **Use the Media Manager**
   a. In the SDA UI, navigate to **Library → Source Media → Media Manager**, and download the KACE SDA Media Manager tool.
   Open the Media Manager, go to the **General Settings** tab, and fill out the following:

- SDA hostname
- IP address
- Samba share password

Click **Test Connection**. More details about this can be found [here](#).

b. In the **Create KBE** tab, you'll find different settings groups for customizing the KBE creation process. Typically, the default settings work for uploading the KBE.

For more details on creating a KBE, refer to the documentation [here](#).

Post Installation task order

The order in which you place your post-install tasks can significantly impact the success of your deployments. To ensure a smooth process, here are three key considerations when determining the sequence of these tasks:

1. System Lockdown Risks: Does this task have the potential to lock down the system, causing other tasks to fail? (e.g., domain joining or anti-virus installation)
2. Automation Dependencies: Does the task install or join something that could trigger other automation? (e.g., KACE agent initiating managed installs and scripts, domain join enforcing GPOs that launch scripts)
3. Task Dependencies: Are there any dependencies for this task, or is this task a prerequisite for another? (e.g., network installation should be completed before any dependent installations)

As a best practice, the final three tasks in your sequence should typically follow this order:

1. KACE agent installation (if required)
2. Anti-virus or security software installation
3. Domain joining