Creating a Hyper-V Standard Backup Set

https://campus.barracuda.com/doc/93197960/
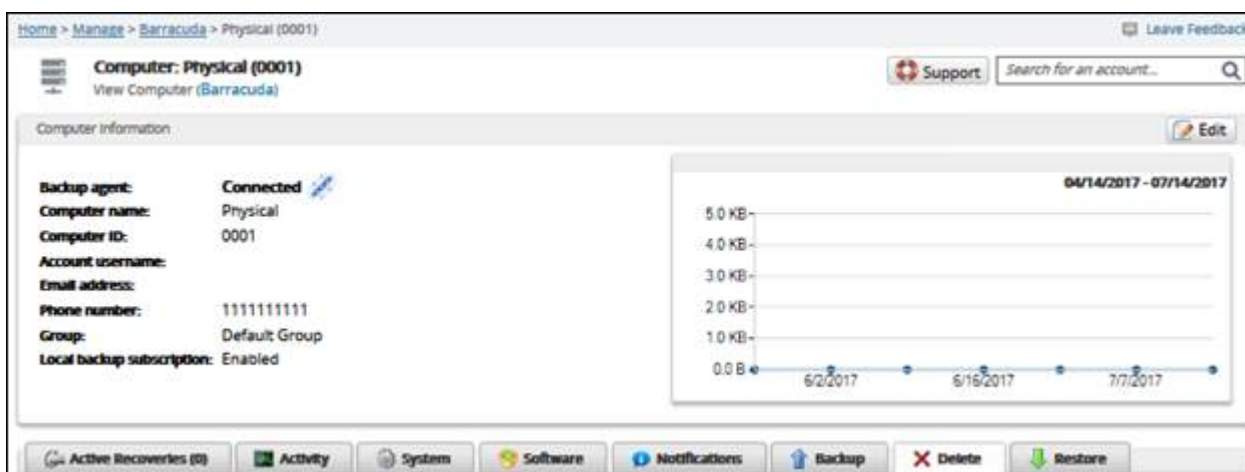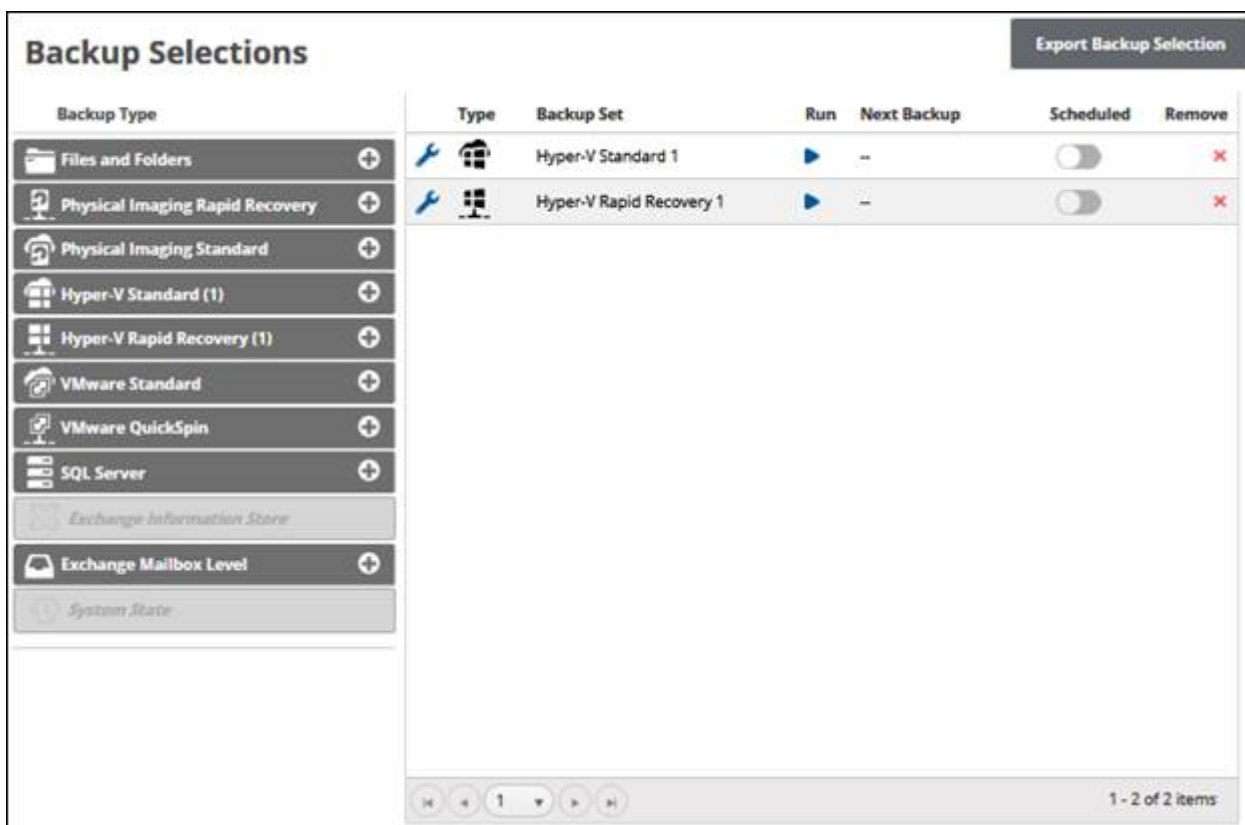
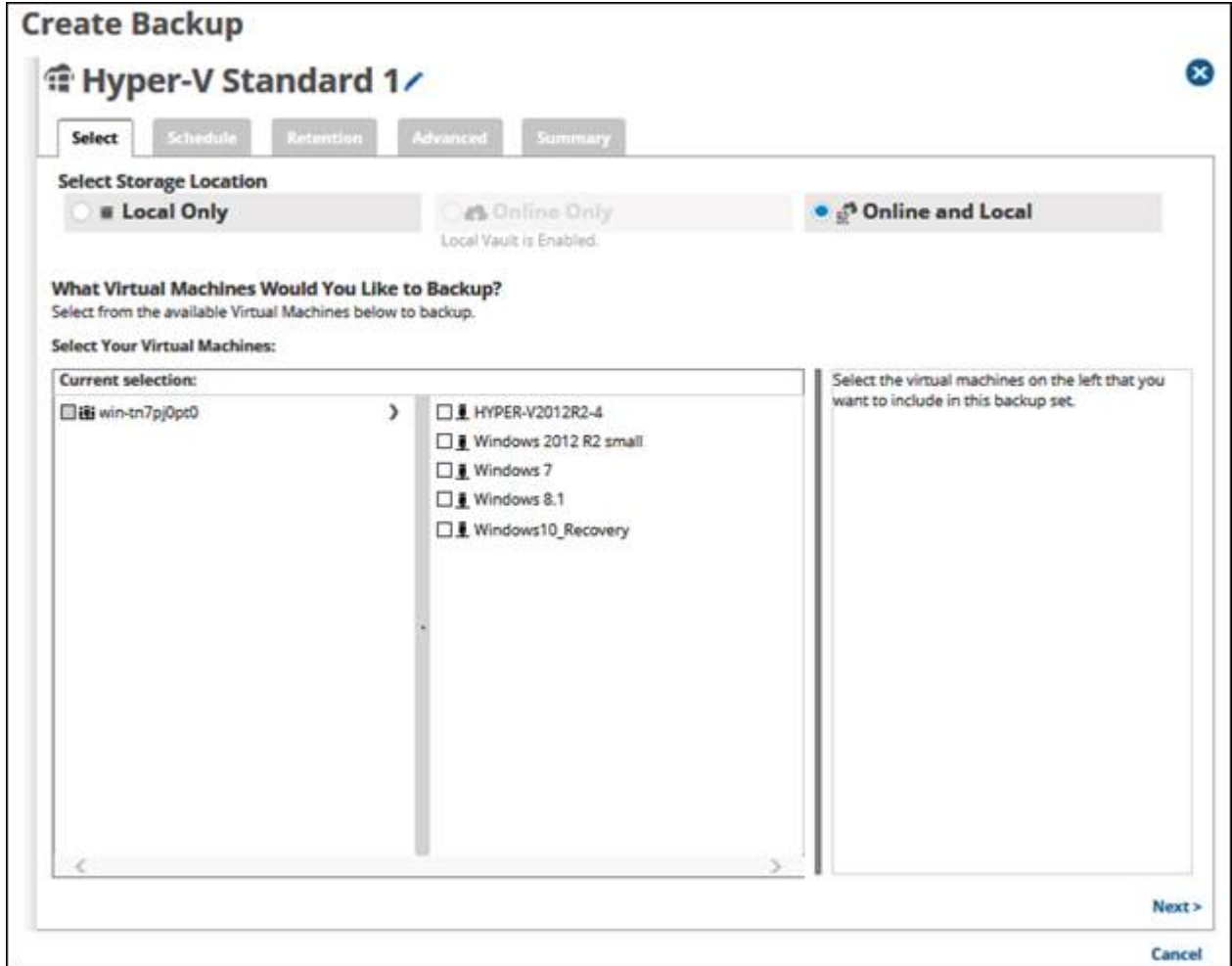To create a Hyper-V Standard backup set, perform the following steps.

1. Navigate to the **Computer** page. See Navigating to the Computer Page for instructions.
    The **Computer** page is displayed.

2. Click the **Backup** tab.
    The **Backup Selections** page is displayed.

3. In the **Backup Type** pane, click **Hyper-V Standard**.
   The **Select** page is displayed.

4. Click the **Backup Name** to provide a new name for your backup set or accept the default.
5. At the **Select Storage Location** section, click one of the following radio button options.
   - **Local Only** (Local Vault must be enabled, and a local subscription is required. Data is not backed up to the cloud.)
   - **Online Only** (An enabled Local Vault disables this option.)
   - **Online and Local** (Local Vault must be enabled.)
     The radio button you select is highlighted as shown in the example below.

6. In the **Current Selection** pane, select the available virtual machines you would like to back up.
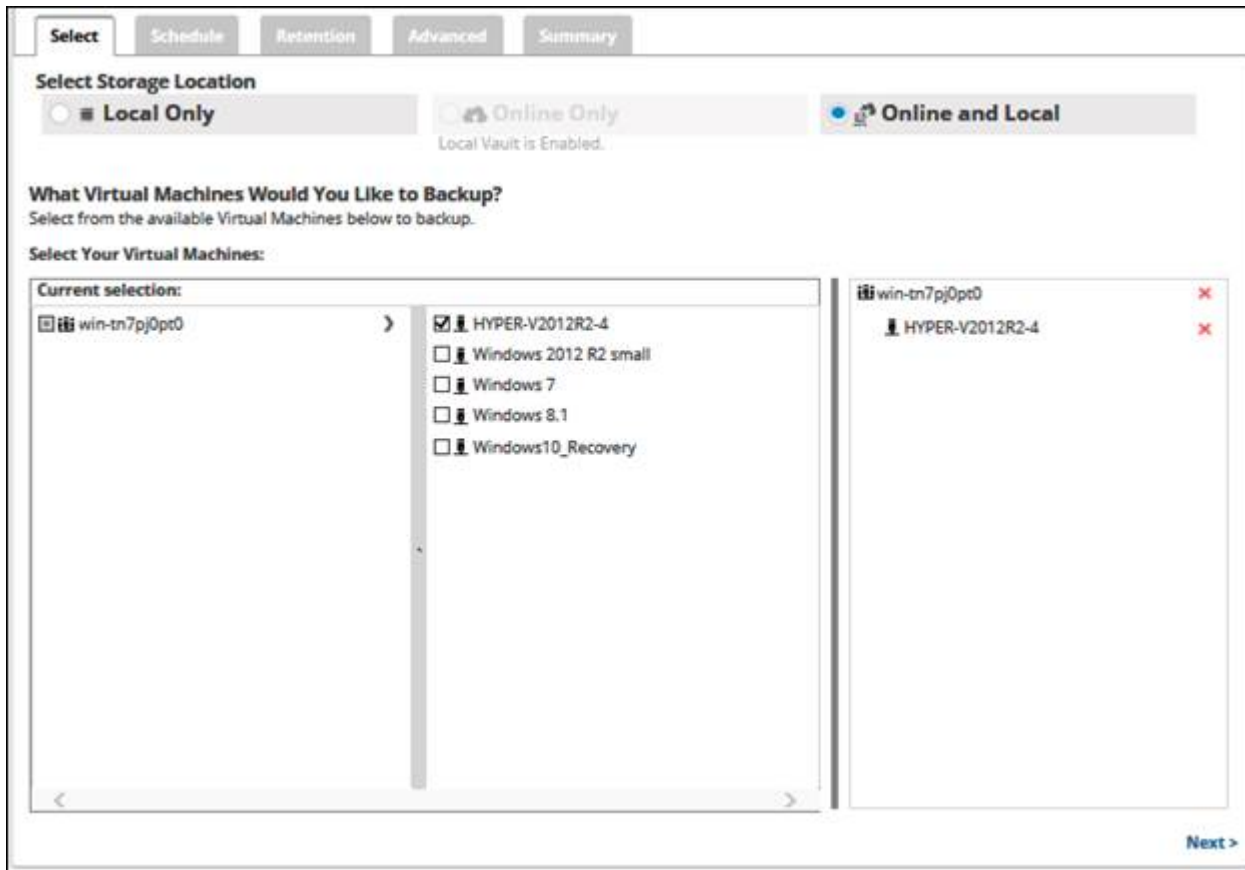   > **Notes**
   > Any VMs that already are included in other backup sets are grayed out.
   > A warning icon is displayed for VMs that have not been upgraded.
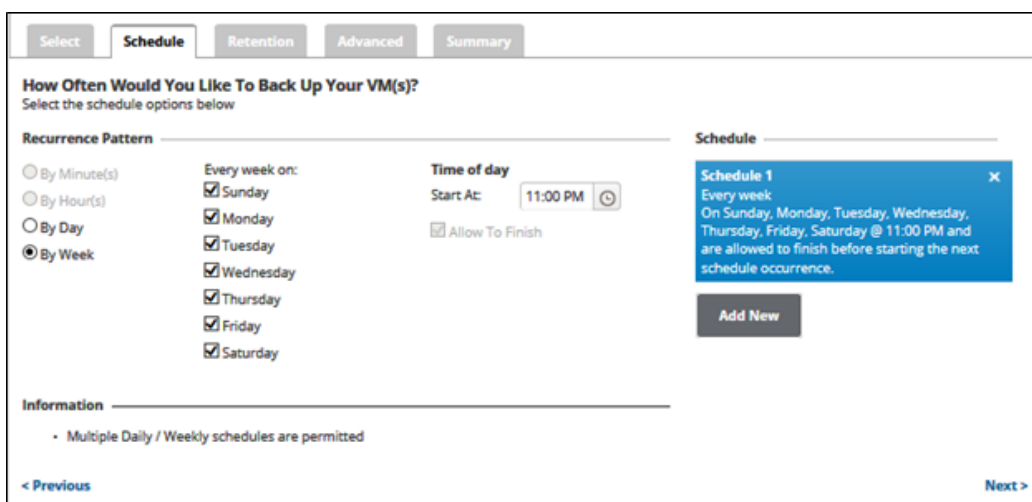
   Clicking the arrow ⟩ at the right of the items displays more VMs.

   Your selections are displayed in the right pane. Click the remove icon ❌ to remove any

selections or clear the VM check box.

7. After making your selections, click **Next**.
   The **Schedule** page is displayed.

8. Accept or edit the default schedule.

> **Notes**
>> ○ The default schedule is by the week on every day starting at 11 p.m.

- Multiple daily/weekly schedules are permitted (if they do not overlap).
- The Allow to Finish check box is always selected and grayed-out.
- Your schedule is displayed in the Schedule column. Click the remove icon ☒ to delete the schedule.
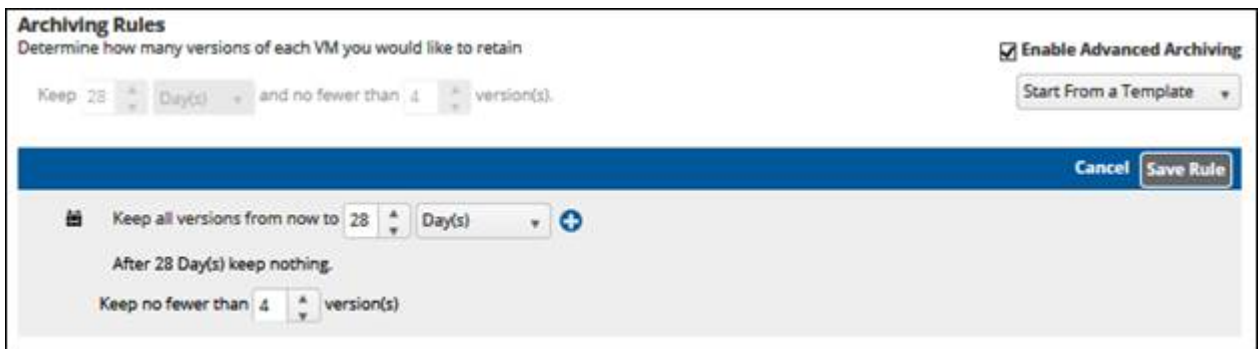
9. After setting the schedule, click **Next.**
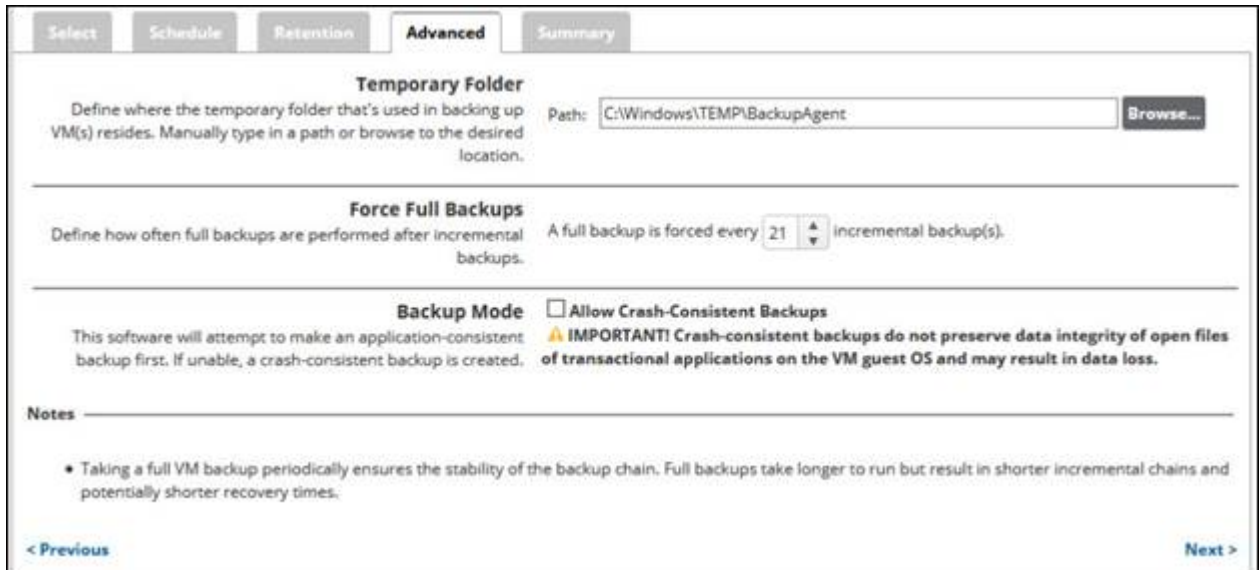   The **Retention** page is displayed.

10. Select the number of versions you wish to retain, and for how long.

   The default is 4 recoverable versions of backups at the storage location that are retained for 28 days.

11. Optionally, select the **Enable Advanced Archiving** check box.
    The **Advanced Archiving** fields are displayed.

12. Make your selections, click **Save Rule**, and then click **Next**.
    The **Advanced** page is displayed.

> **Requirement**
> You must specify a temporary folder located on a disk with sufficient space. Temporary space of 1 GB is recommended for Hyper-V backups.

13. In the **Temporary Folder** field, accept the default, type a new path, or click the **Browse** button to locate the temporary folder that is used during backing up.

14. In the **Force Full Backups** section, use the arrows to specify how often full backups are performed after incremental backups.

> **Notes**
> The default full backup is every 21 incremental backups.
> Taking a full VM backup periodically ensures the stability of the backup chain. Full backups take longer to run but result in shorter incremental chains and potentially shorter recovery times.

15. Optionally, in the **Backup Mode** section, select the **Allow Crash-Consistent Backups** check box.

> Crash-consistent backups do not preserve the integrity of data for open files of transactional applications on the VM guest OS and may result in data loss.
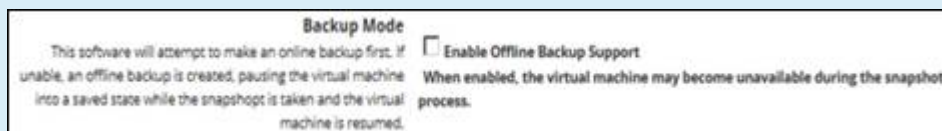
> **Definitions**
> A **crash-consistent backup** captures all the virtual machine's data at the same time.
> An **application-consistent backup** captures all the data including the data in memory and all transactions in process.

> The software attempts to make an application-consistent backup. If unable, a crash-consistent backup is created.

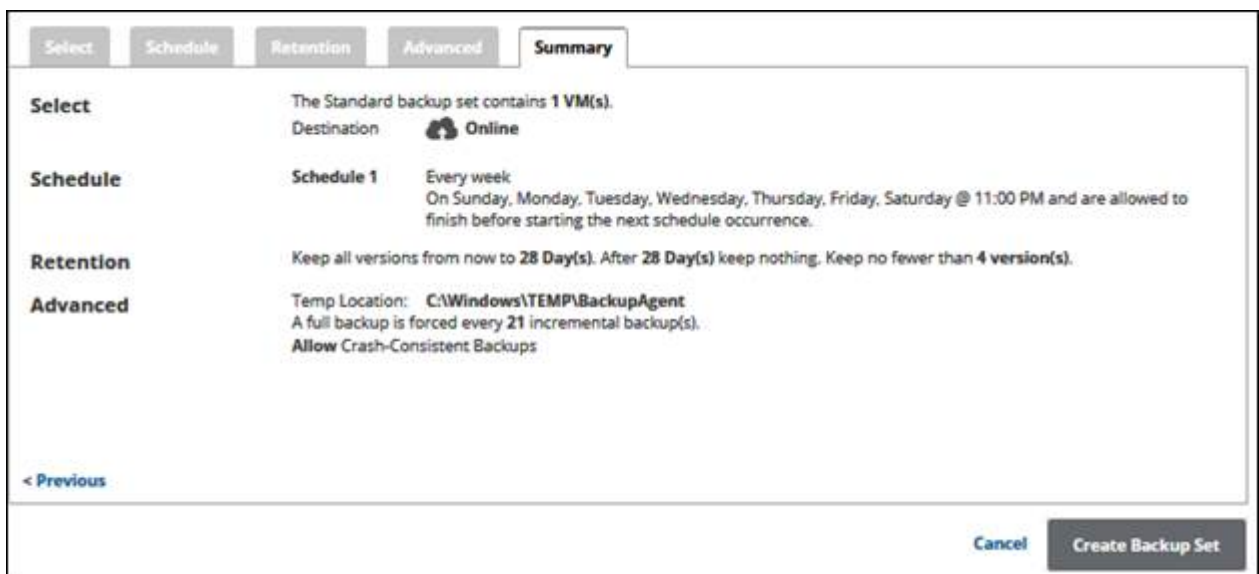> Pre-Windows Server 2016 versions display a different backup mode option as shown below.

> When enabled, the virtual machine may become unavailable during the snapshot process. The software attempts an online backup first. If unable, an offline backup is created. The virtual machine is paused and put into a saved state while the snapshot is taken, and then the virtual machine resumes operation. VMs in a saved or a paused state can be backed up. The imported recovery VMs are in a saved state in both cases.
> **Tip:** This mode is useful if an online backup cannot be taken. For instance, if the guest VM has dynamic disks, this mode allows guest VMs to be backed up in a non-quiesced, offline state.

16. Click Next.
    The **Summary** page is displayed.

17. After reviewing your selections, click the **Create Backup Set** button.

> If you did not change the default backup set name when creating a new backup set, the following confirmation pop-up is displayed after clicking the **Create Backup** button.

> This feature allows you to create a unique name for the backup set. If you already changed the default backup set name, the pop-up is not displayed.
> Optionally, change the backup set name, and click **Confirm**.

18. Your scheduled backup is displayed on the **Backup Selections** page.

Figures

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