

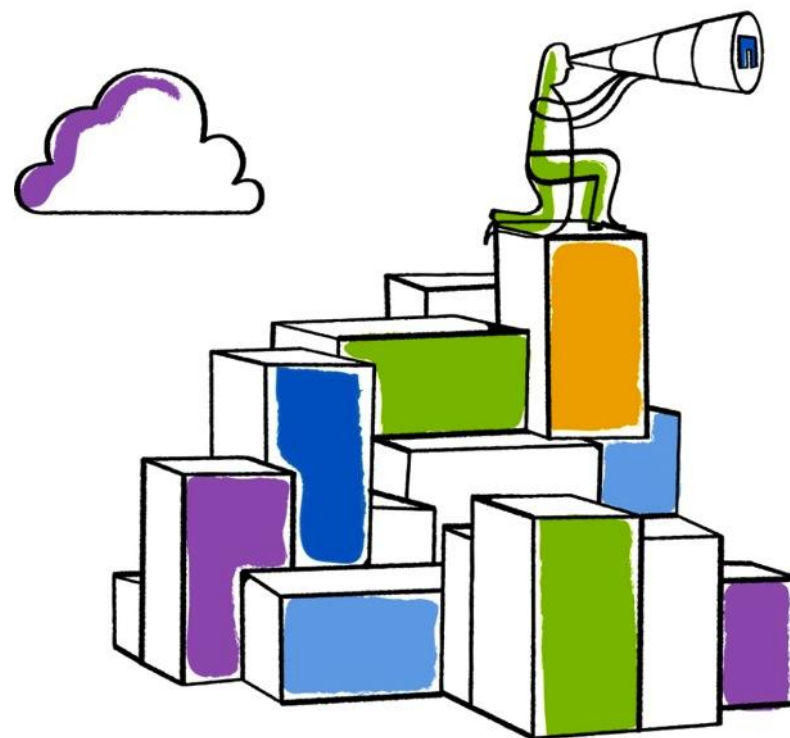


Go further, faster®



Demo: Snap Creator for InterSystems Caché

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Healthcare Solutions
NetApp





Snap Creator

- **What is Snap Creator?**

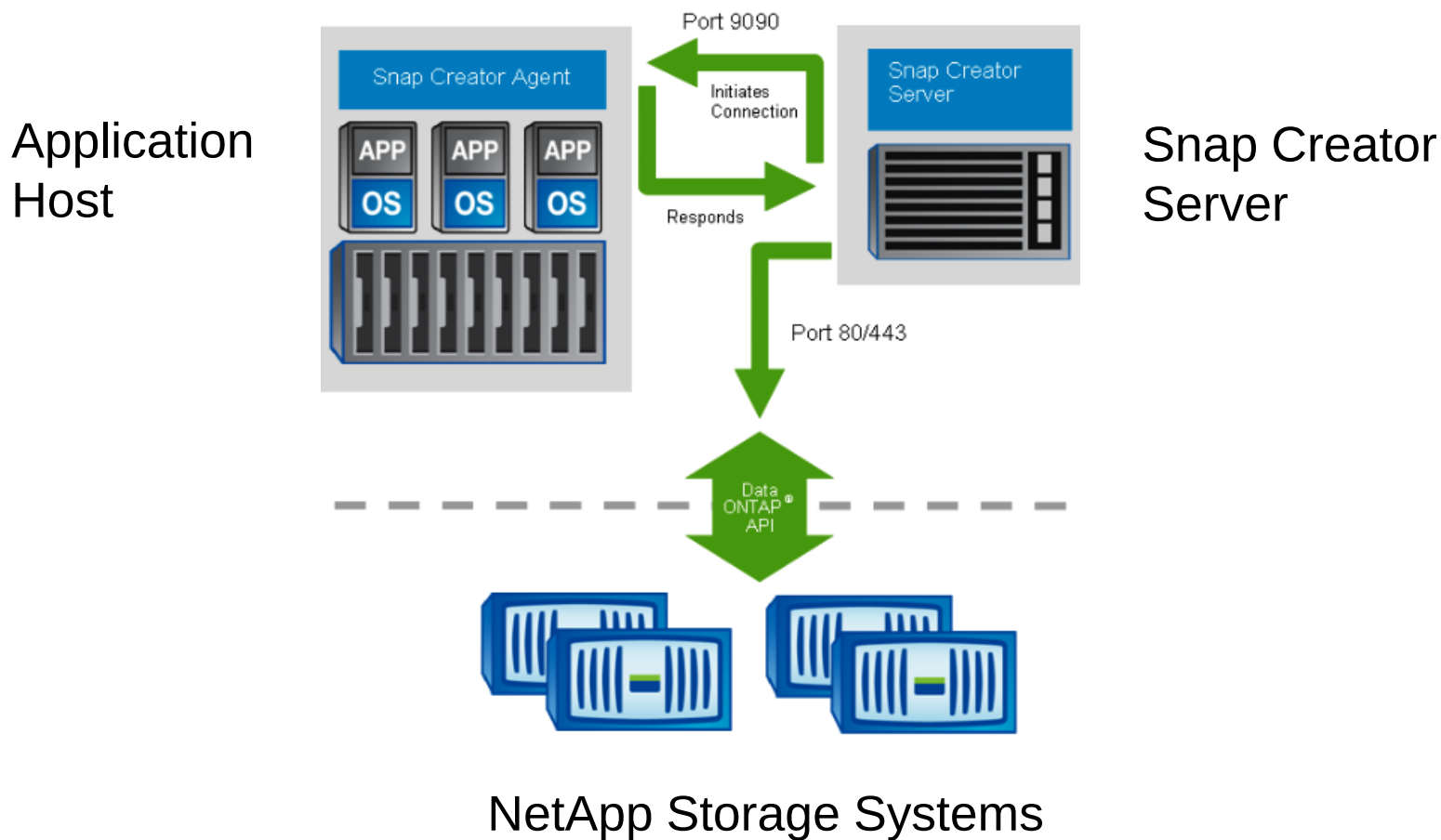
“Tired of hard-to-maintain scripts or multiple tools to manage multiple backup applications? NetApp Snap Creator Framework is **OS-independent** software that integrates with NetApp data protection technologies to **provide storage management** for your customized applications.”

- **What is Snap Creator used for?**

“Snap Creator is a **framework for integrating virtually any application with NetApp snapshot technology**. Applications are integrated through plug-ins. Snap Creator should be used to provide a customer with **backup, restore, and cloning solutions** when it is not possible to use SnapManager products.”

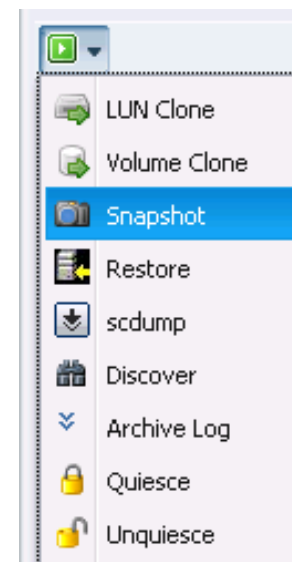
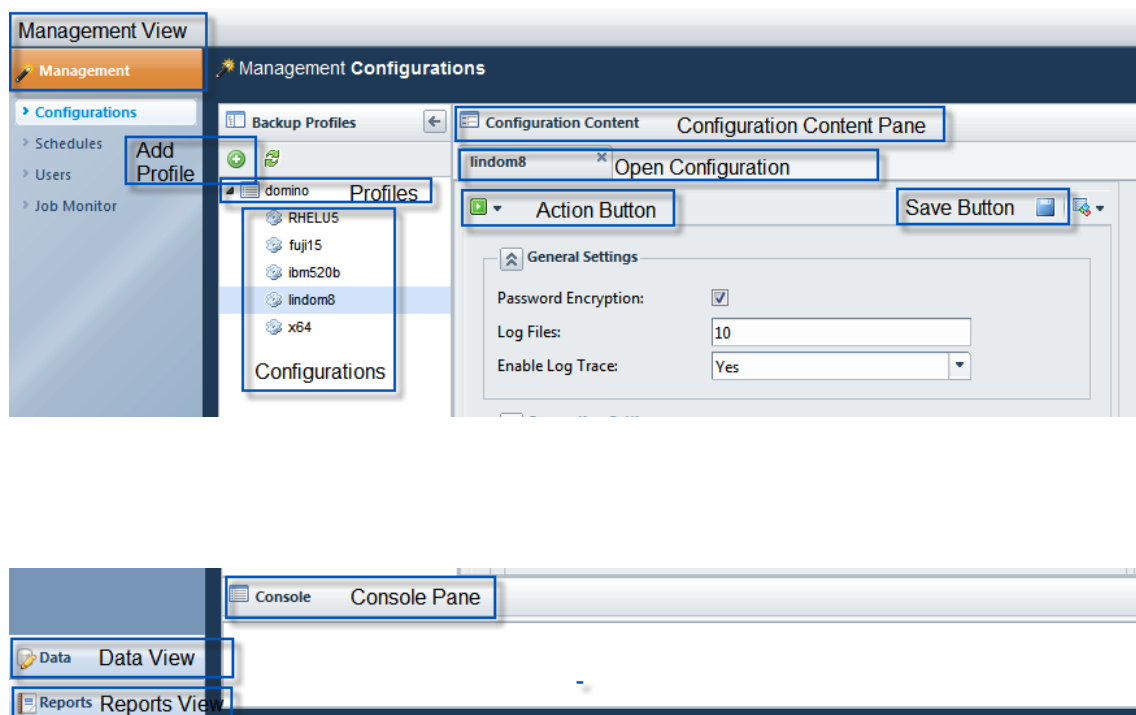


Snap Creator Architecture





Snap Creator GUI





NetApp Value – Snap Creator

- **Improves reliability**

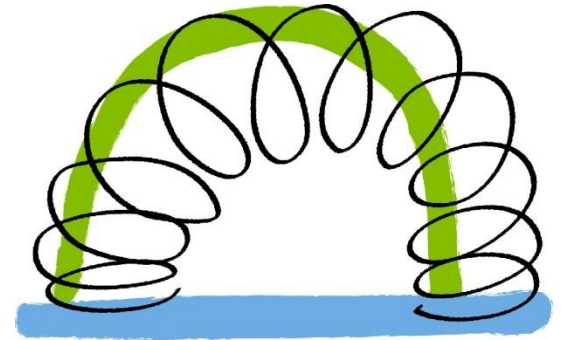
- Best Practice enforcement
- Application consistent Snapshot copies

- **Lowers administrative overhead**

- Automate complex workflows
- Accelerate Test/Dev Processes
- Flexibility on configurations (profiles, schedules)
- Single-Pane-Of-Glass management (server-agent)

- **Minimize downtime**

- Simple, leads to shorter or zero downtime
- Fast, efficient backup and restore workflows

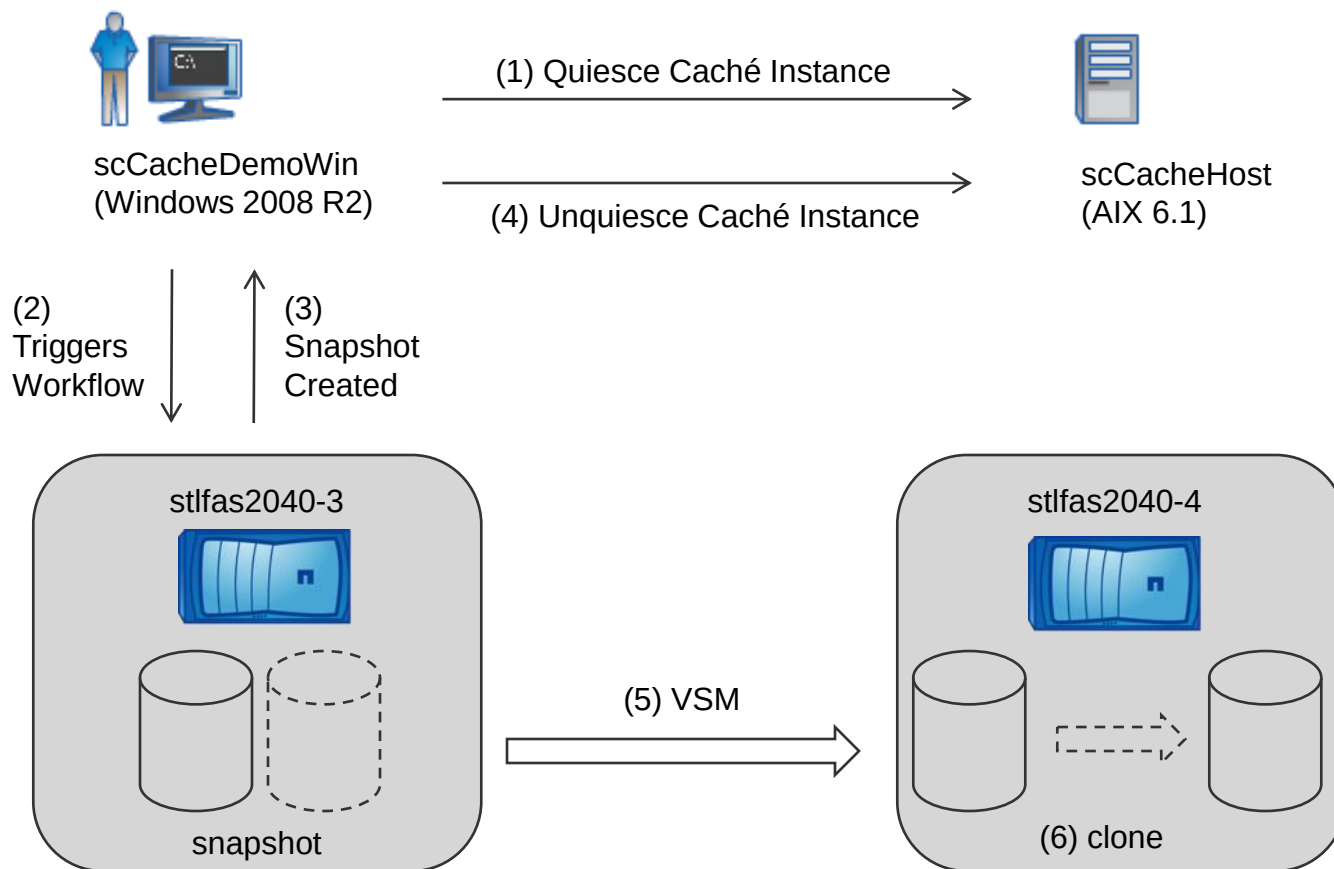




Snap Creator Plug-in for Caché

- Uses binaries (csession, ccontrol) installed with Caché
- InterSystems Caché OS Authentication
- Perl plug-in but does not rely on InterSystems Perl Bindings
- No need to write and maintain customized scripts
- Create Caché database consistent Snapshot copies
- Flexible configurations (profiles, schedules)
- Using Snap Creator GUI to kick-off the desired workflow

Sample Workflow



Infrastructure: Management Server



scCacheDemoWin
(Windows 2008 R2)

(2)
Triggers
Workflow

(3)
Snapshot
Created

stlfas2040-3



snapshot

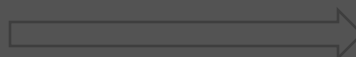
(1) **Management Server**



(4) Hostname: Instance scCacheDemoWin
OS: Windows 2008 R2

- OnCommand System Manager
- ODBC to Caché (MS Access)
- Snap Creator Server

(5) VSM

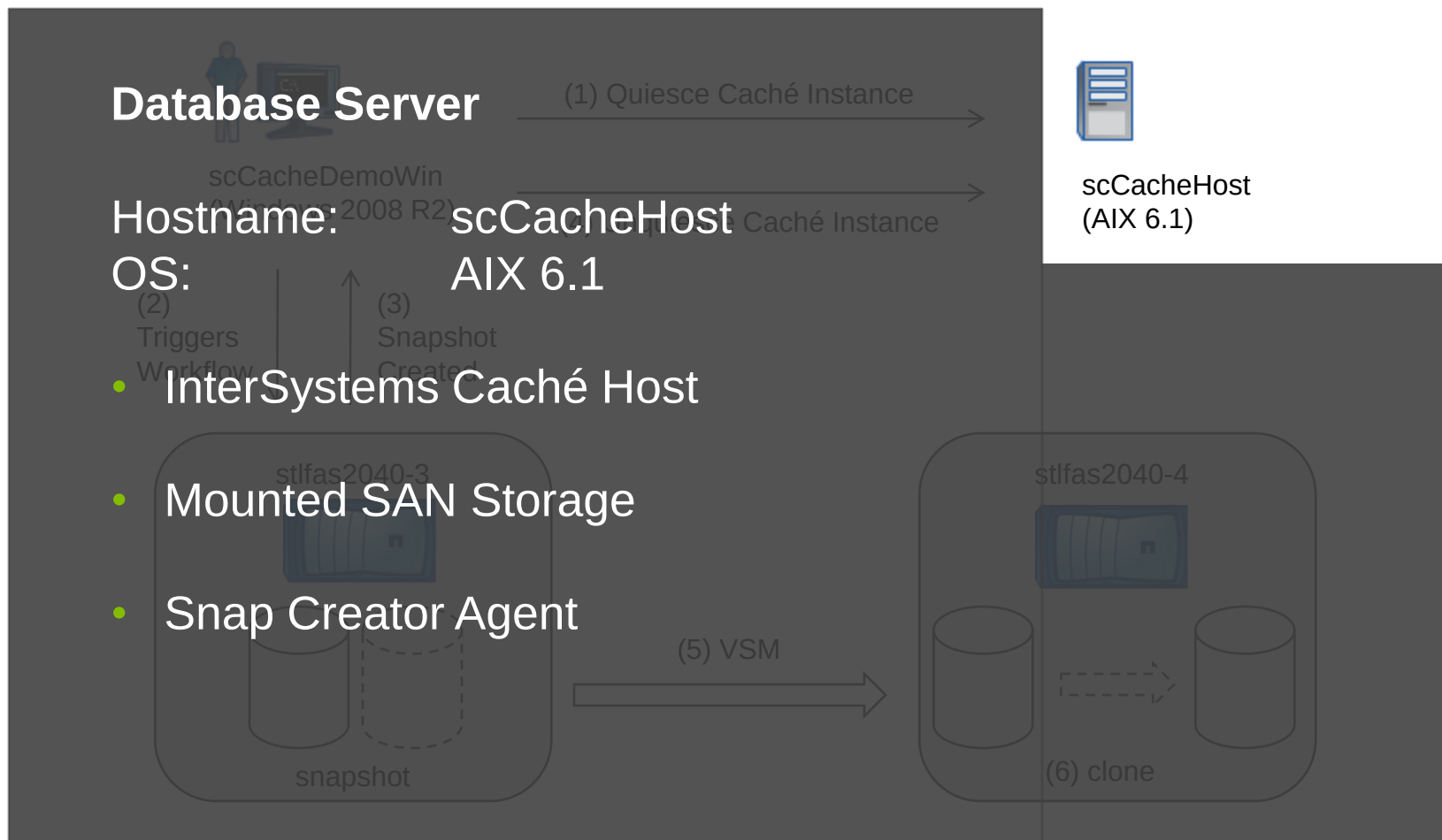


stlfas2040-4

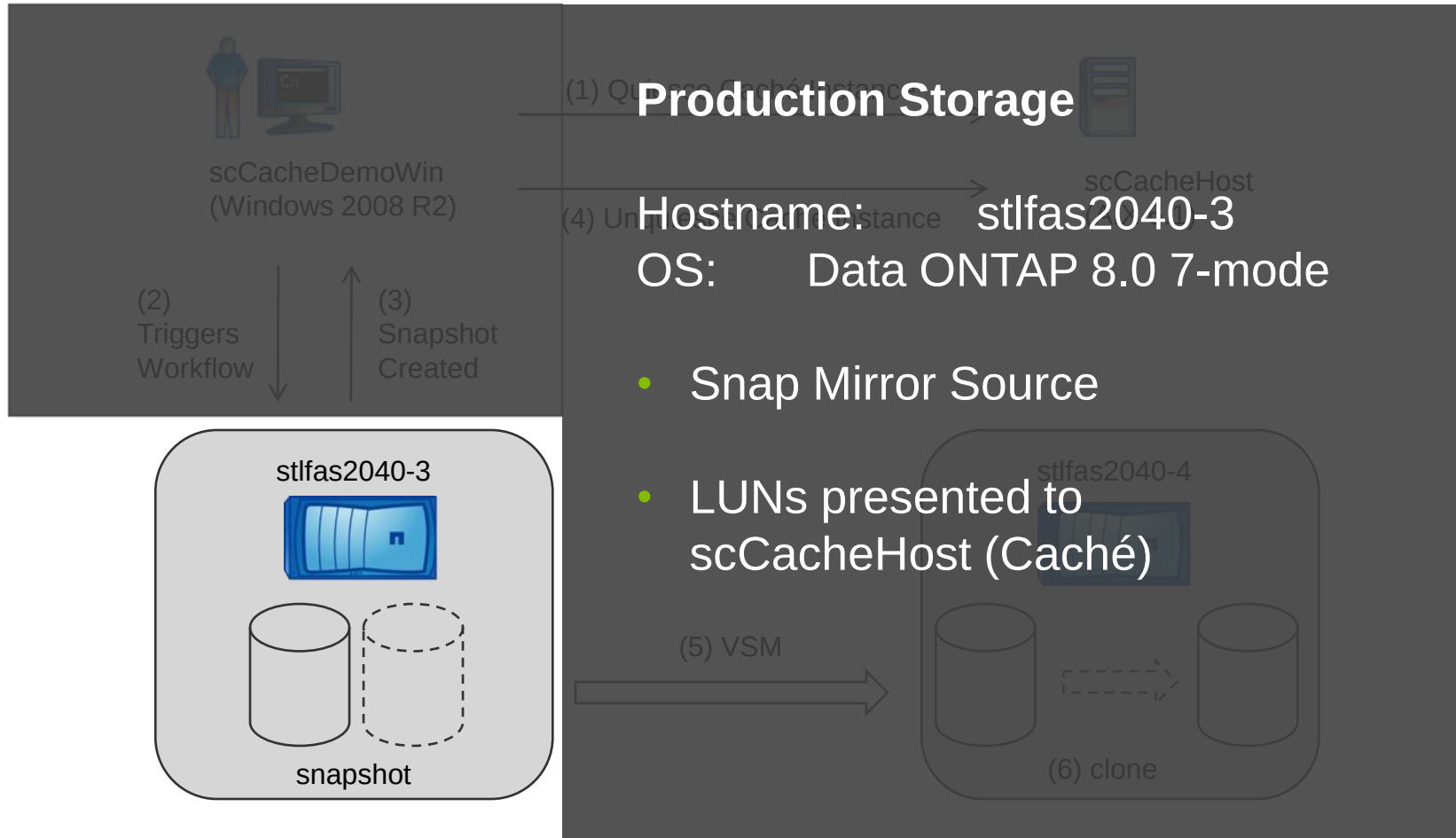


(6) clone

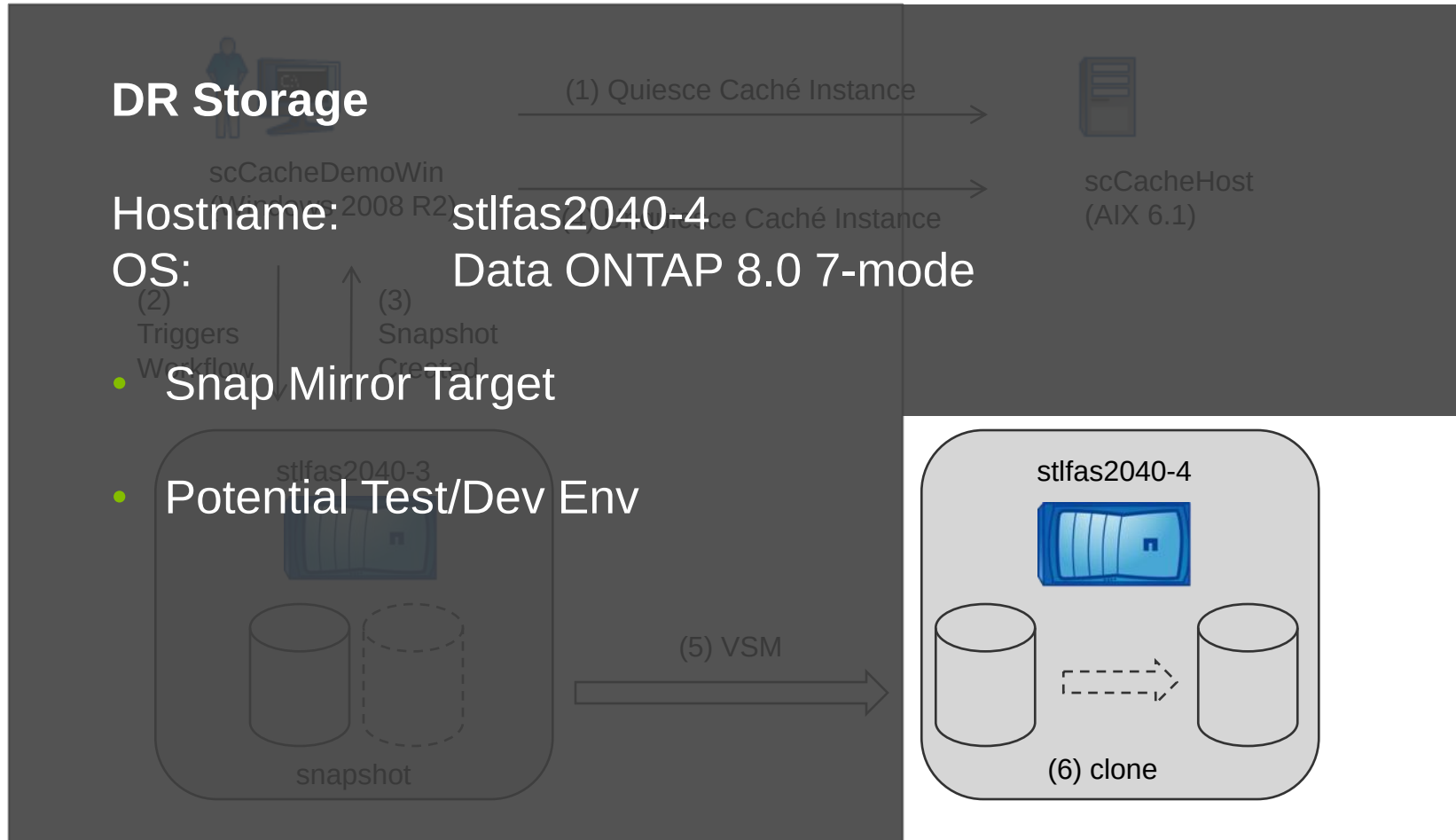
Infrastructure: InterSystems Caché Host



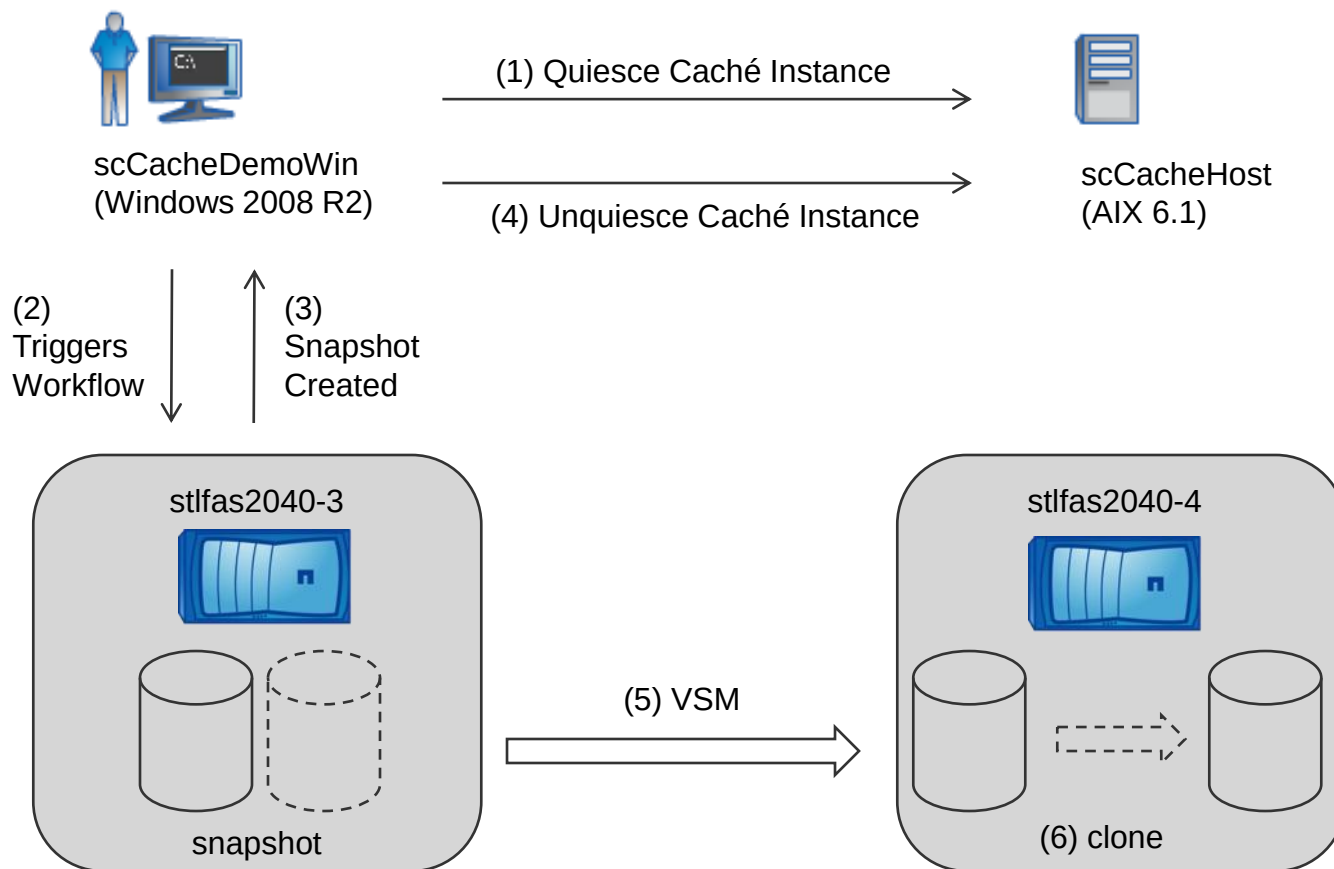
Infrastructure: NetApp FAS2040 (DC)



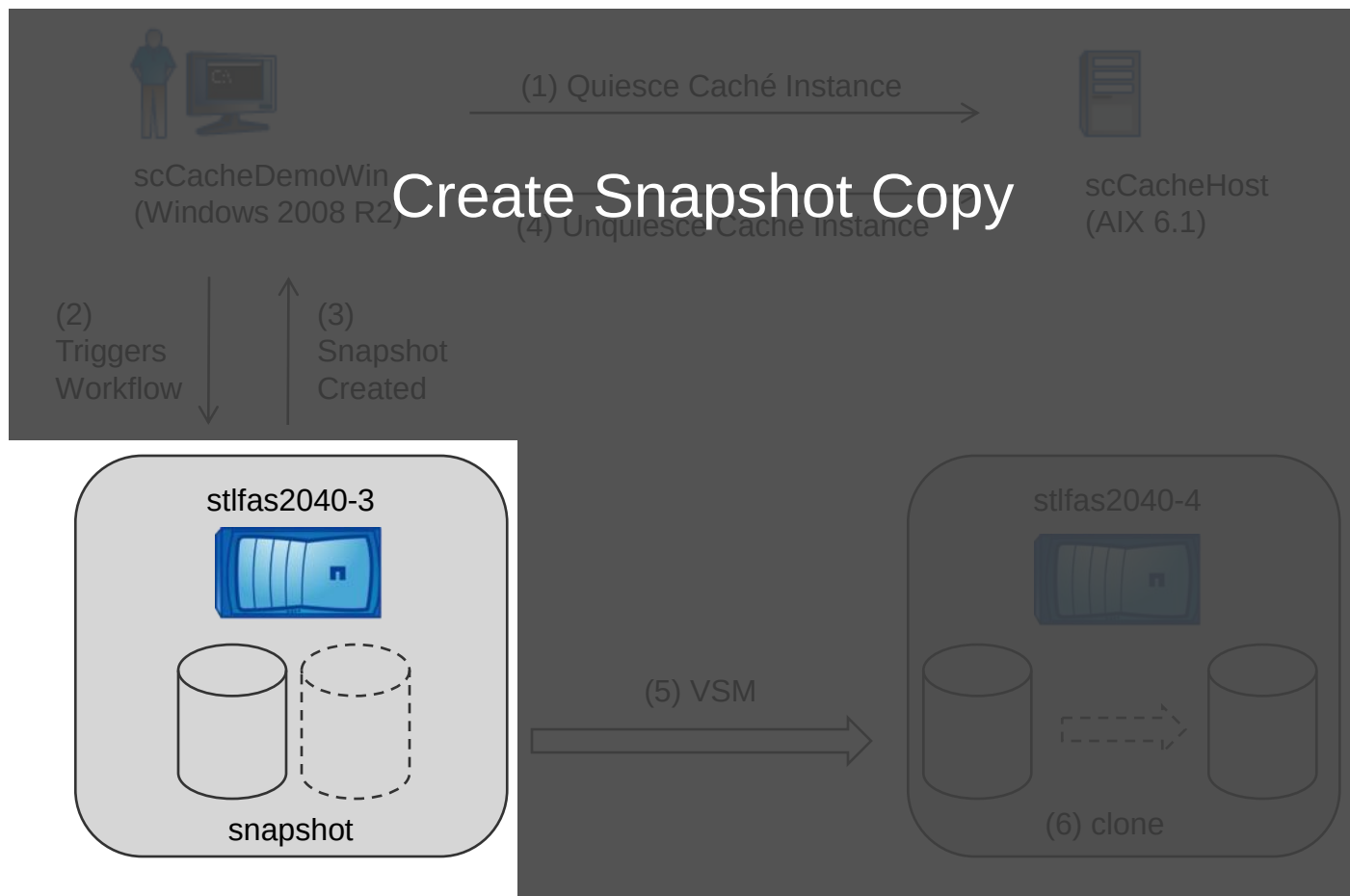
Infrastructure: NetApp FAS2040 (DR)



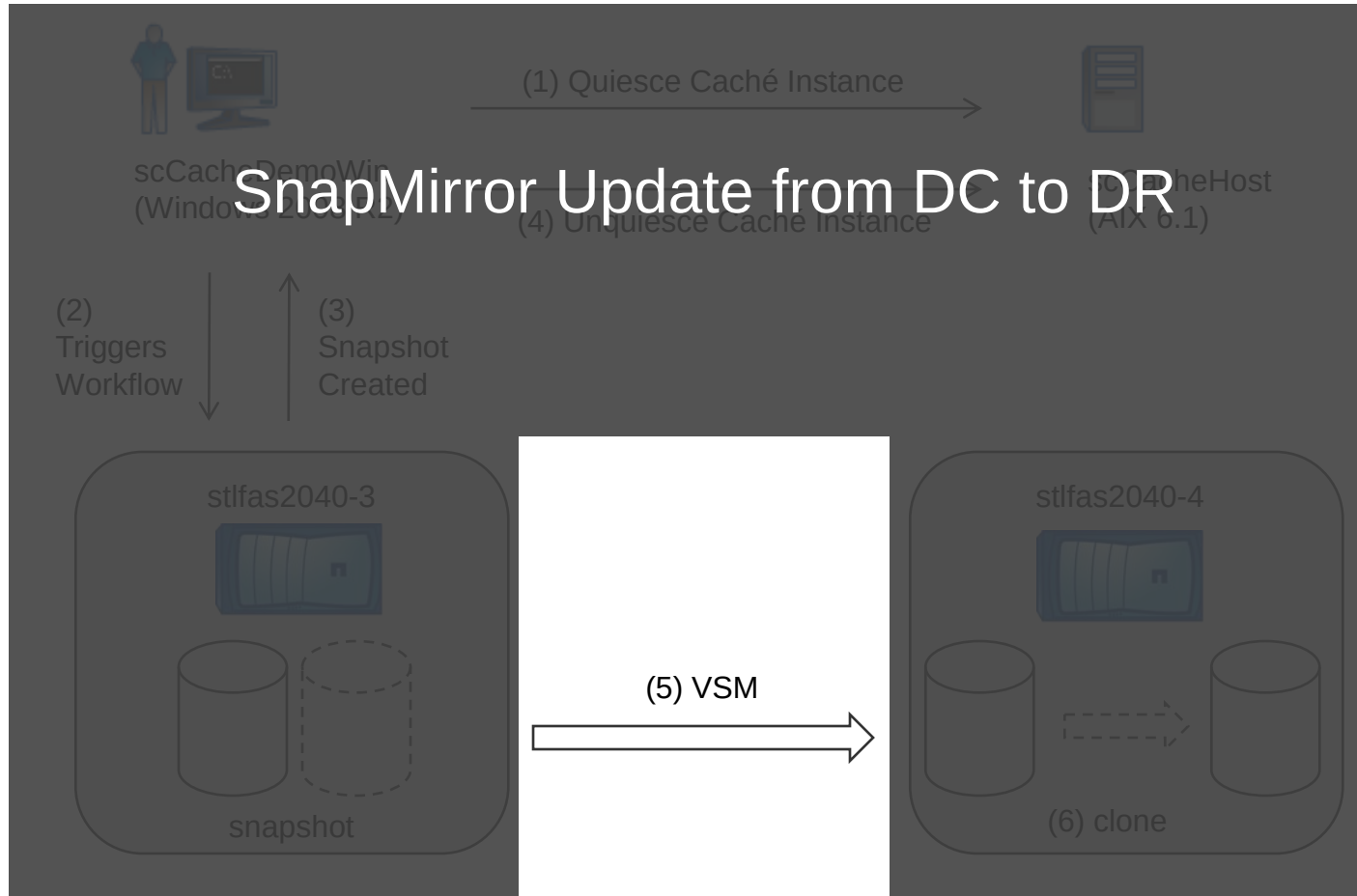
Sample Workflow



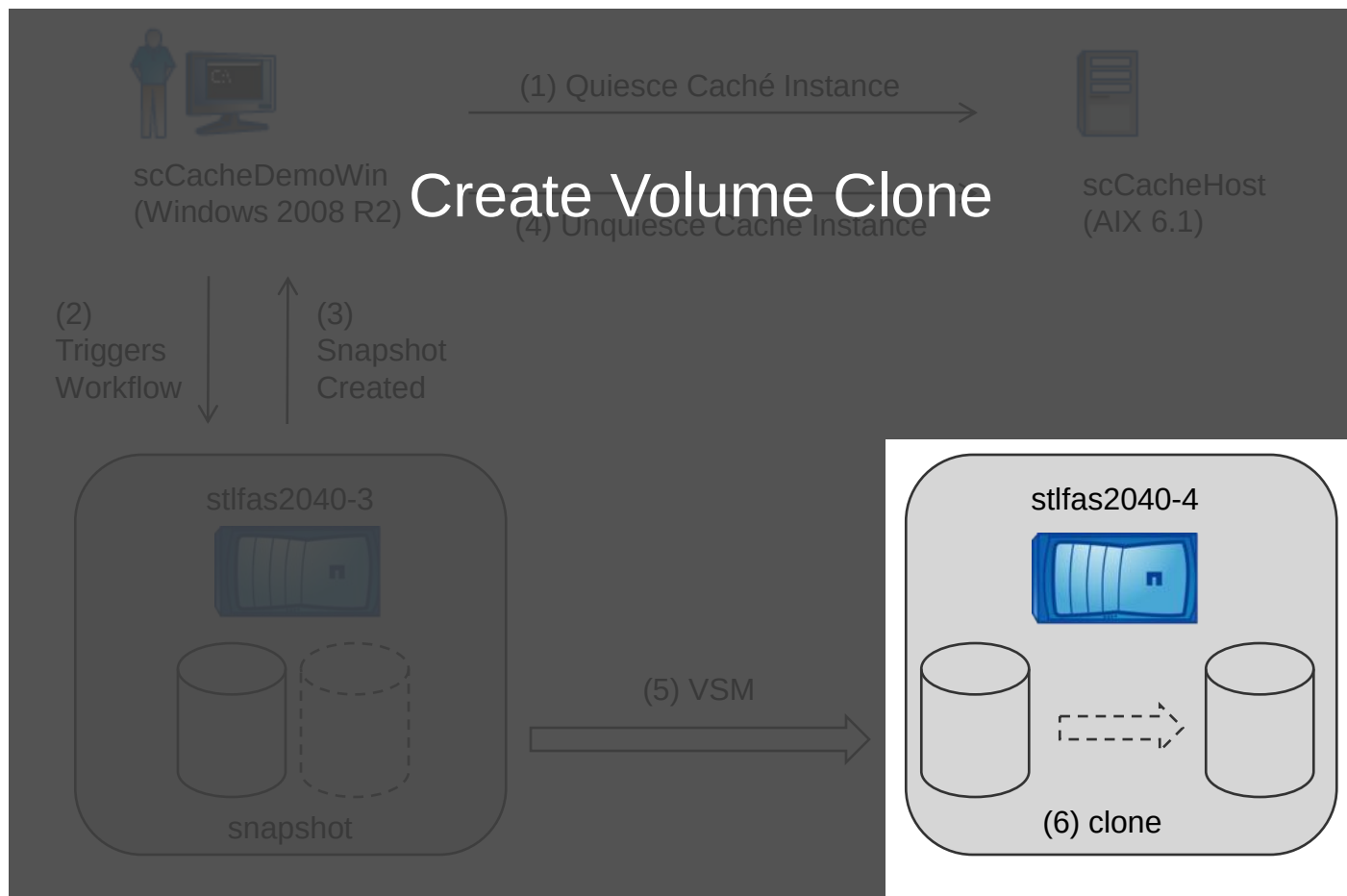
Sample Workflow: Breakdown (Snap)



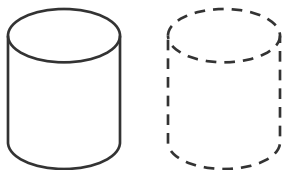
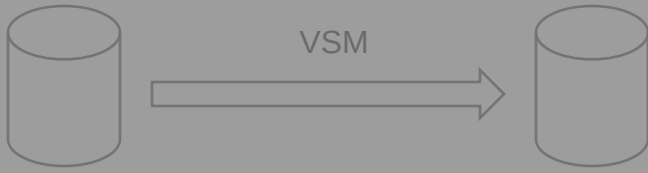
Sample Workflow: Breakdown (VSM)



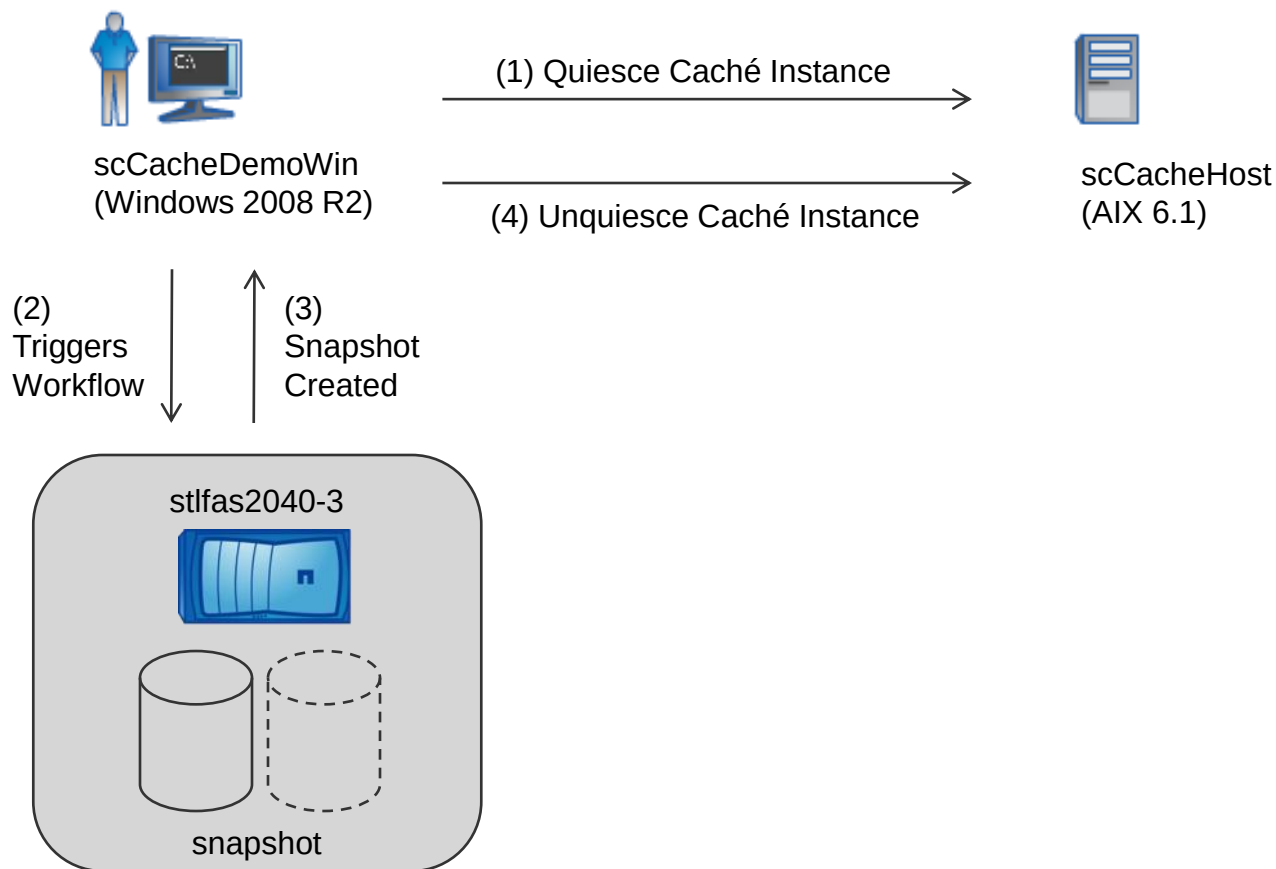
Sample Workflow: Breakdown (Clone)



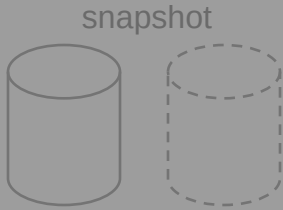
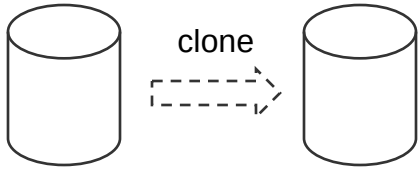
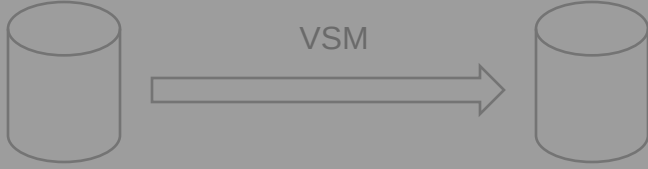
Demo Agenda

Profile: CACHE	
1-SNAP	snapshot 
2-CLONE	
3-SNAPMIRROR	

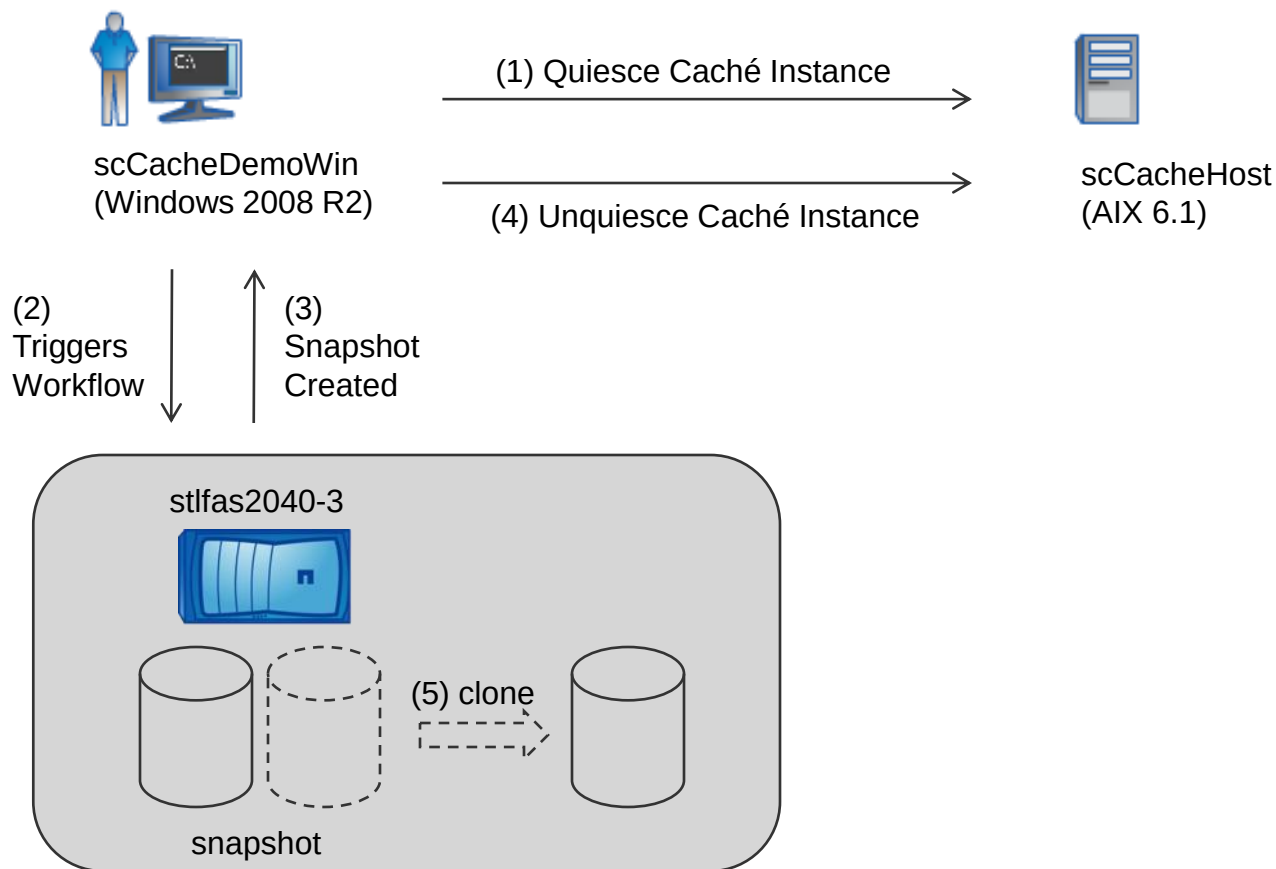
Snapshot Demo



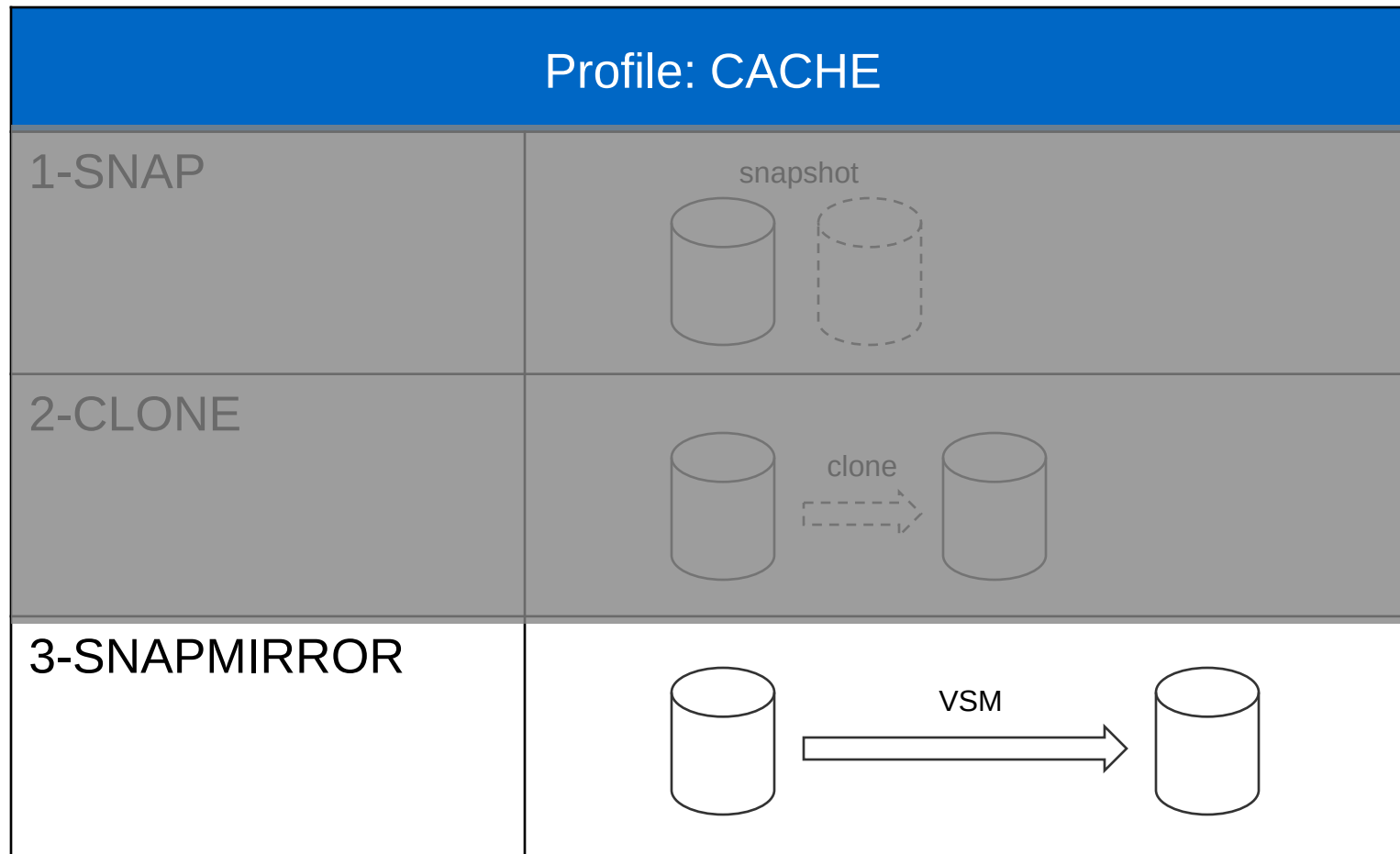
Demo Agenda

Profile: CACHE	
1-SNAP	 A diagram showing a solid cylinder on the left and a dashed cylinder on the right. The word 'snapshot' is written above the dashed cylinder.
2-CLONE	 A diagram showing a solid cylinder on the left and another solid cylinder on the right. A dashed arrow points from the left cylinder to the right cylinder, with the word 'clone' written above the arrow.
3-SNAPMIRROR	 A diagram showing a solid cylinder on the left and another solid cylinder on the right. A solid arrow points from the left cylinder to the right cylinder, with the letters 'VSM' written above the arrow.

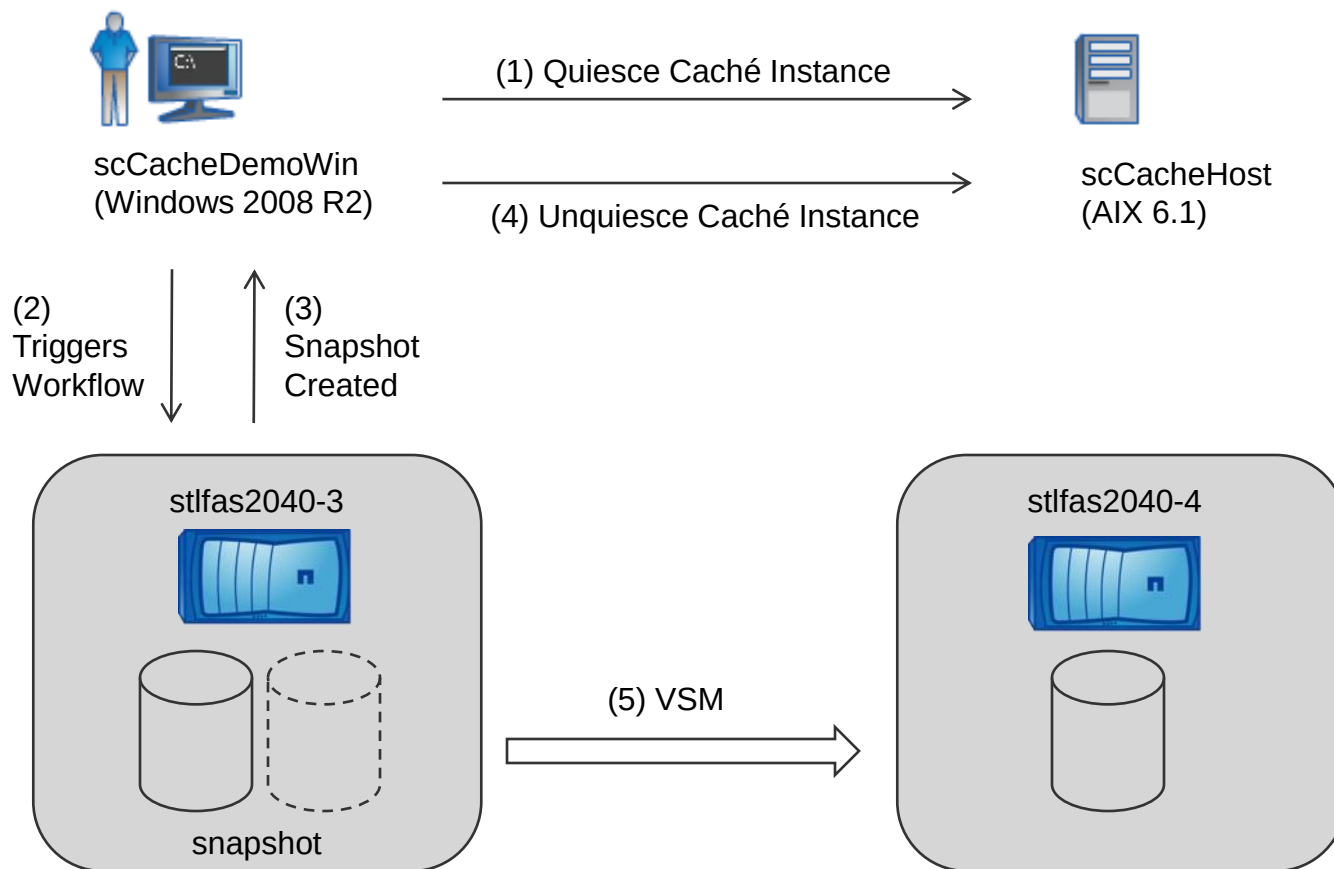
Volume Clone Demo



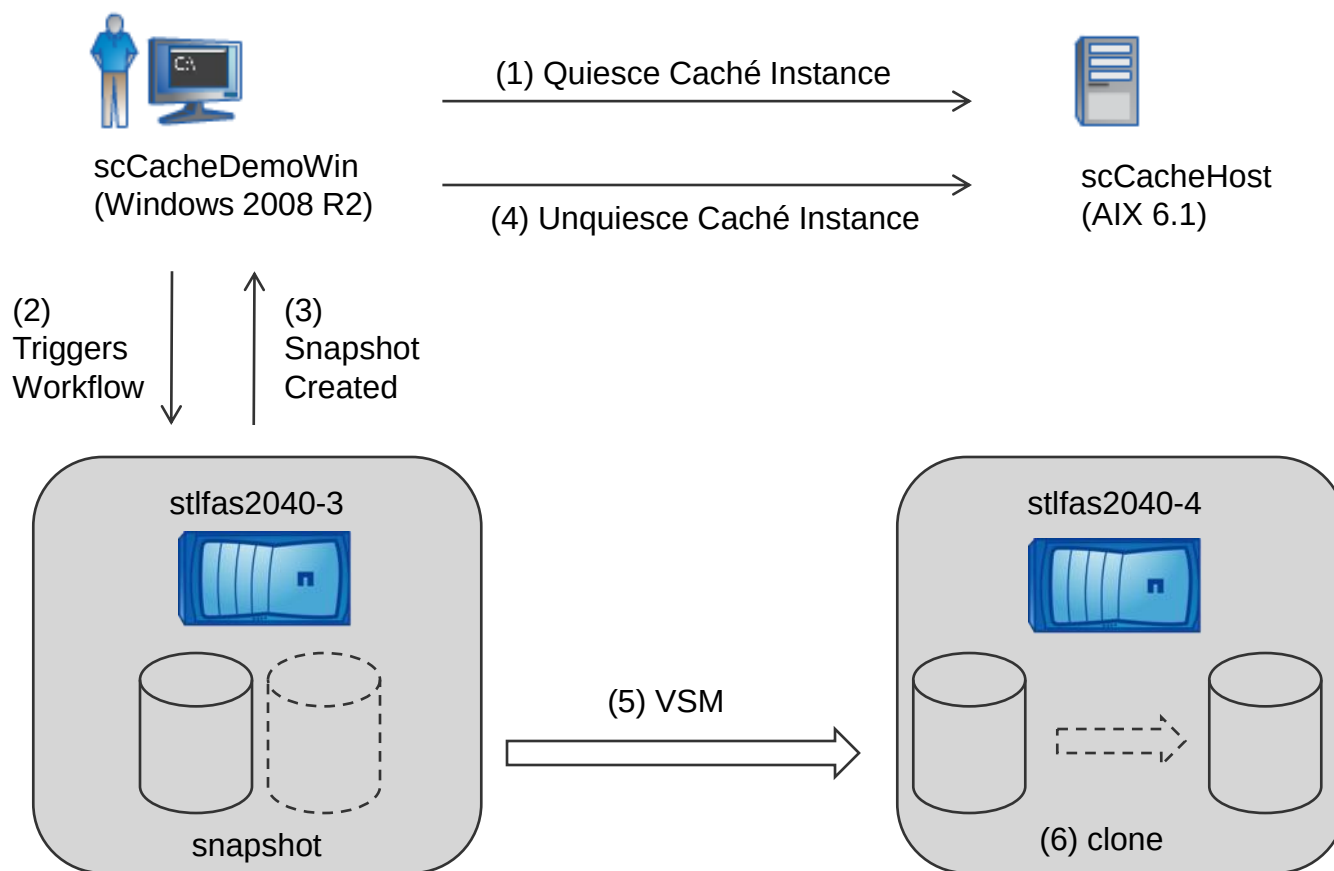
Demo Agenda



SnapMirror Demo



Full Workflow Demo





Summary

Snap Creator Framework:

- Snap Creator automates complicated workflows (schedules)
- Provides fast and efficient backup restore solutions
- Provides integration with other NetApp products

Plug-in for InterSystems Caché:

- Recently developed for AIX
- Does not rely on Perl Bindings from InterSystems
- Community plug-in: community contributes to development and support



Resources

- **NetApp Support site (formerly NOW)**
<http://support.netapp.com> (<http://now.netapp.com>)
- **Datasheet: Snap Creator Framework**
<http://media.netapp.com/documents/ds-3121.pdf>
- **Snap Creator Tutorial Videos**
<https://snapcreator.netapp.com/get-started/resources.aspx>
- **Snap Creator Developer Community**
<http://www.snapcreator.com>

Thank you

