

Windows Management Instrumentation (WMI)



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What Is WMI?

**Local repository
for system
information**

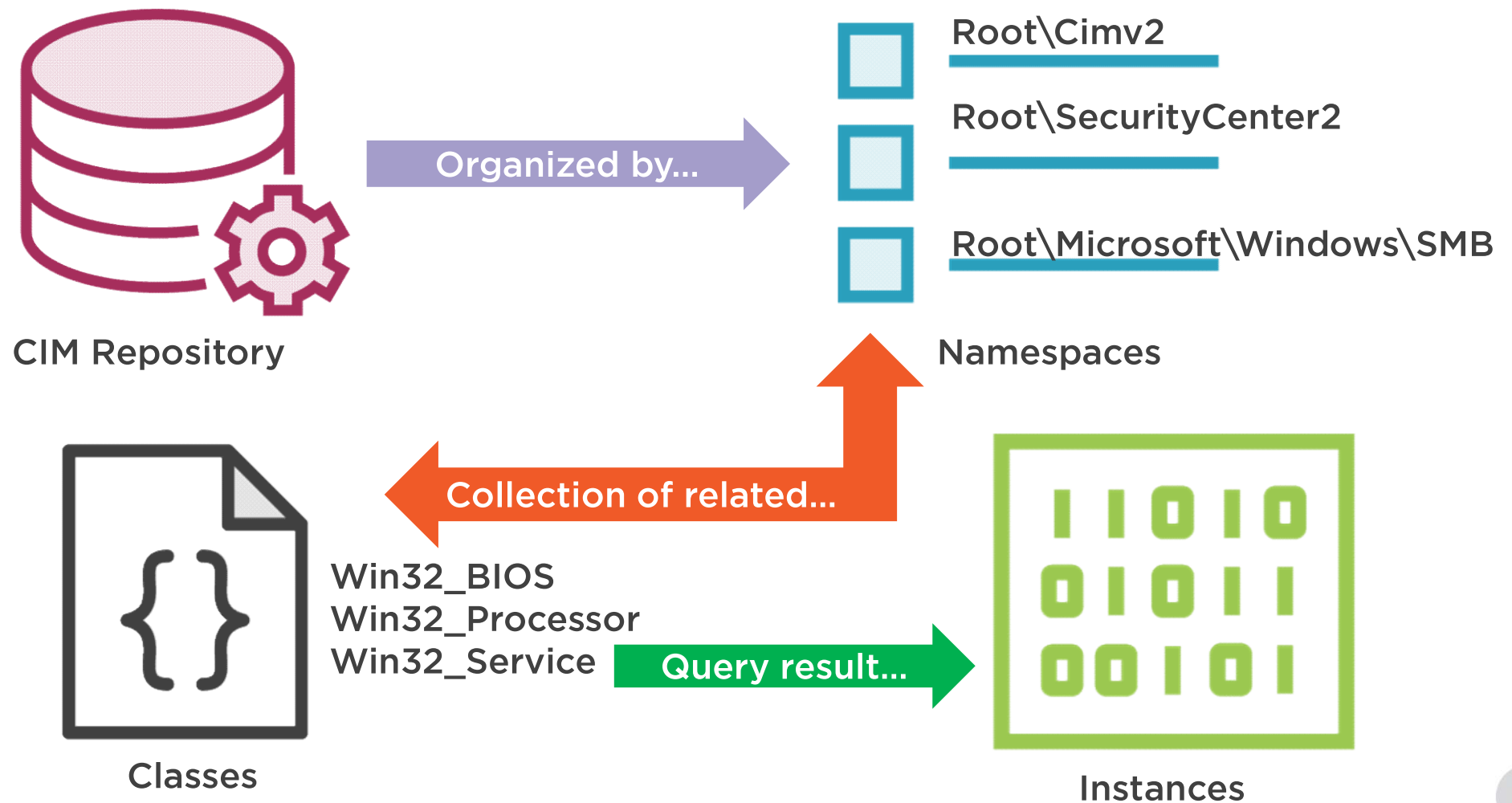
**Managed by the
winmgmt service**

**Can be queried
with a SQL-like
syntax**

**WMI is Microsoft's
implementation**

**Derived from an
industry set of
standards**





```
Get-WmiObject -classname win32_service -computername SRV1
```

WMI Cmdlets

Easy to query local and remote computers



```
Get-WmiObject -classname win32_service -computername SRV1  
-credential company\administrator
```

WMI Cmdlets

Easy to query local and remote computers

Supports alternate credentials for remote connections

Uses legacy networking protocols (not firewall friendly)



```
ExitCode    : 0
Name        : AdobeFlashPlayerUpdateSvc
ProcessId   : 0
StartMode    : Manual
State       : Stopped
Status      : OK
```

A rich, PowerShell
object

WMI Cmdlets

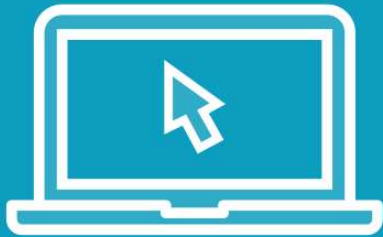
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Demo



PowerShell and WMI



Summary



WMI-based information is vital to systems management

WMI cmdlets are supported for legacy systems

Plan on moving to modern CIM cmdlets

