5º Coloquio de proyectos
de Becarios en Seguridad Informática

Sistema centralizado para la administración de equipos y solución automatizada de errores

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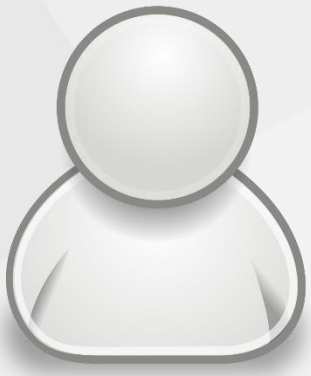
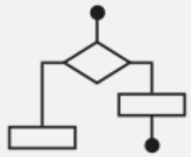
Agenda

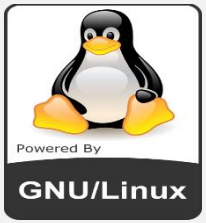
- Objetivo
- SC Virtual Machine Manager
- SC Operations Manager
- SC Configuration Manager
- SC Orchestrator
- Dificultades
- Conclusiones

Objetivo



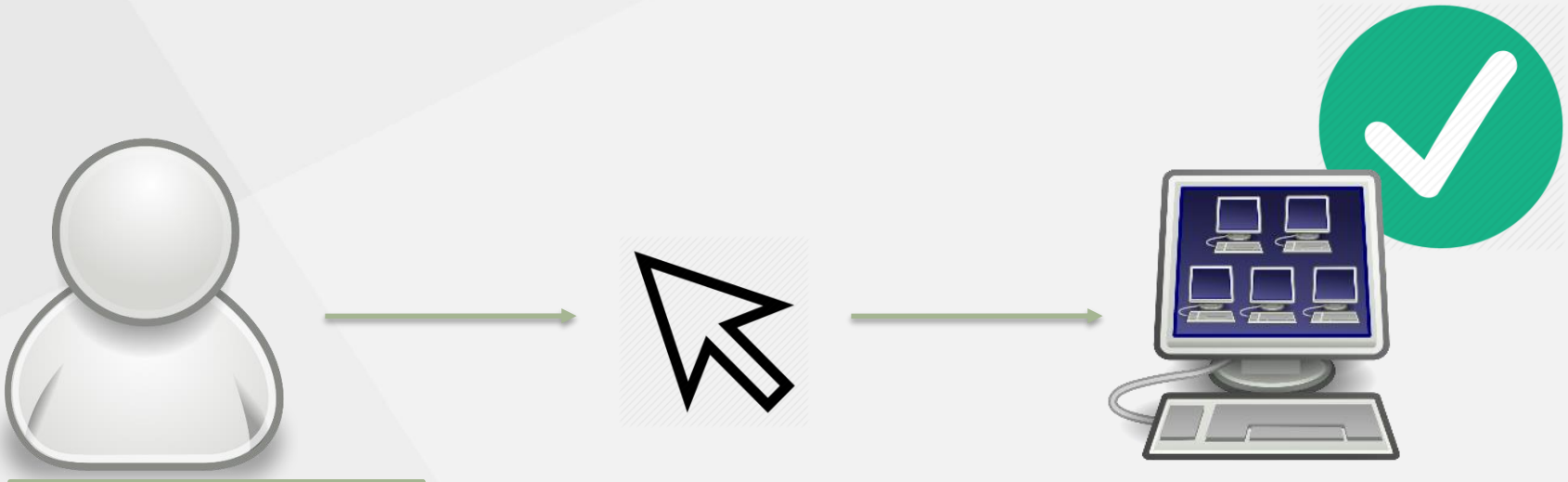
Administrador de Sistemas





Objetivo

Crear un ambiente real para desplegar servicios en producción de forma eficiente y en menor tiempo.



Administrador de Sistemas

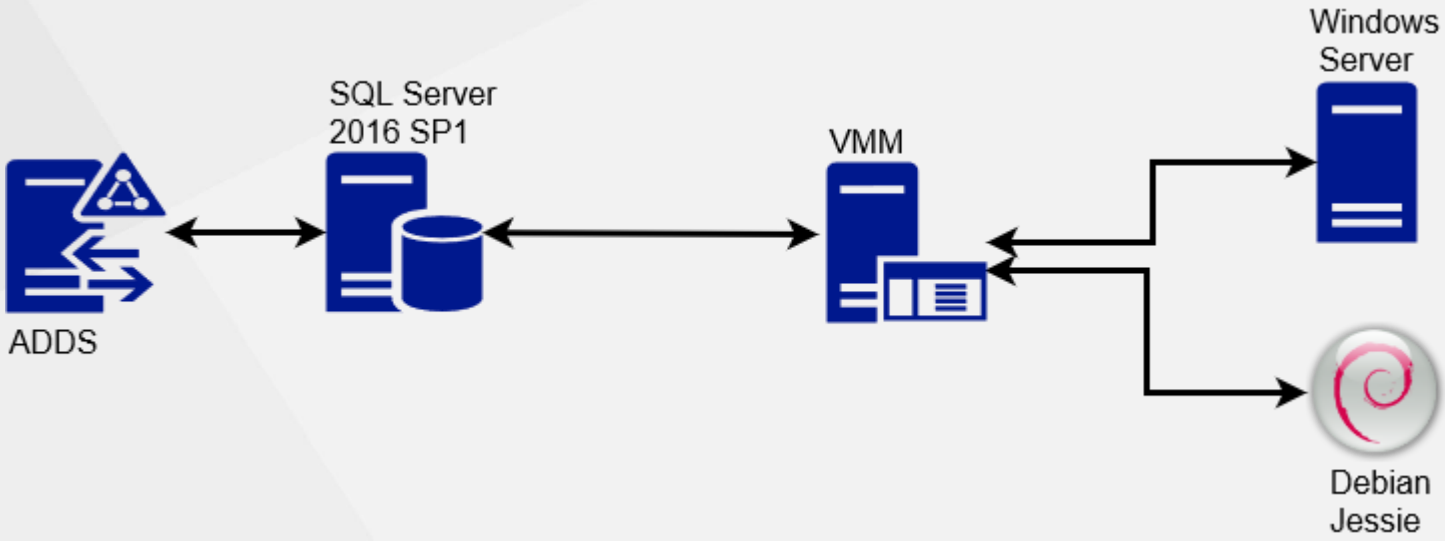
SC Virtual Machine Manager

Es una solución de administración de centros de datos virtualizados.

Reduce el tiempo de implementación de sistemas operativos virtualizados.

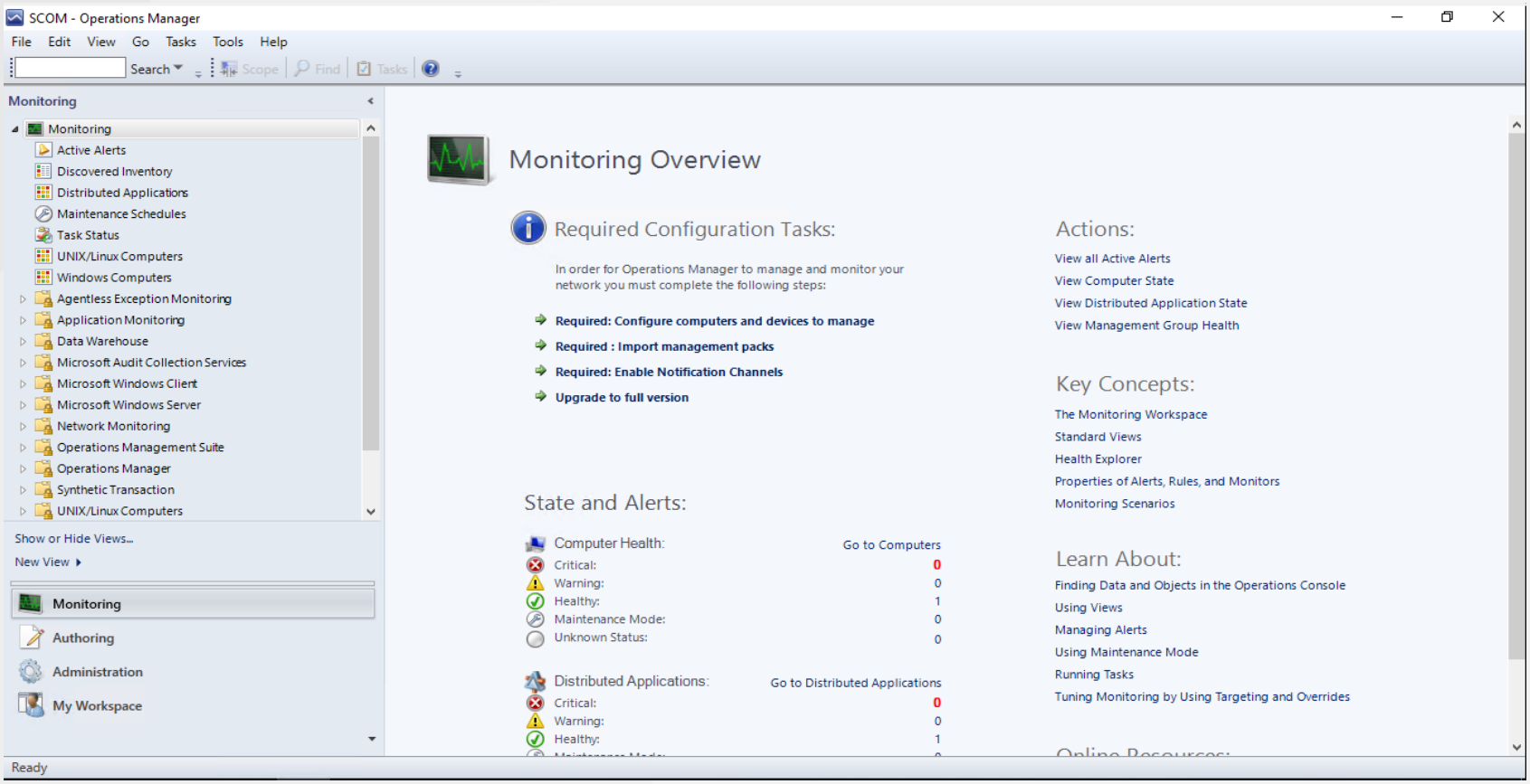
Descentraliza la gestión individual, delegándola a usuarios específicos.

Diagrama de red



SC Operations Manager

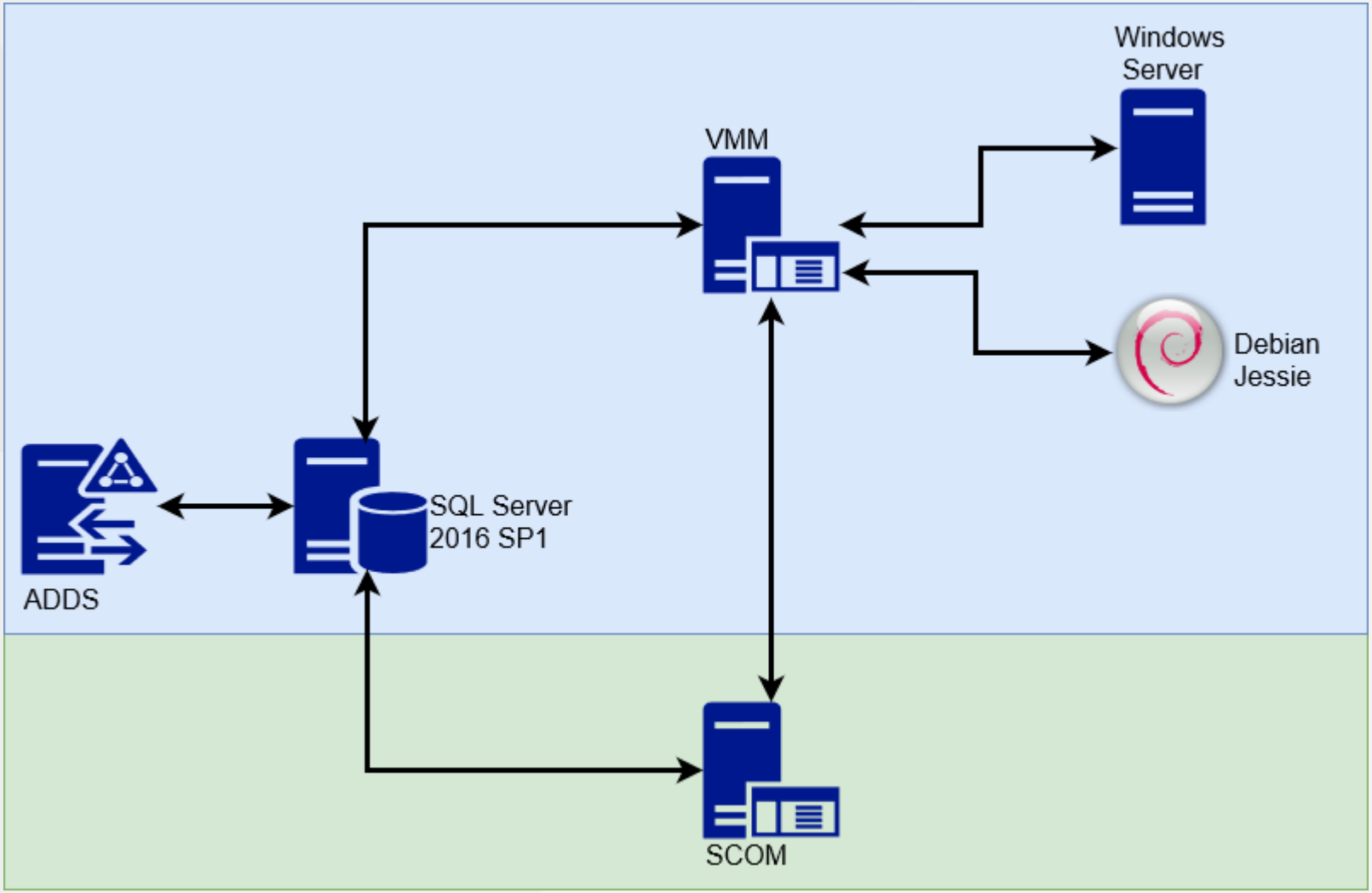
Tecnología especializada en monitorear servicios, dispositivos y operaciones para múltiples equipos finales o servidores desde una consola.



Características SCOM

- Servidor de administración
- Base de datos de operaciones
- Data Warehouse
- Consola web
- Servidor de reportes

Diagrama de red



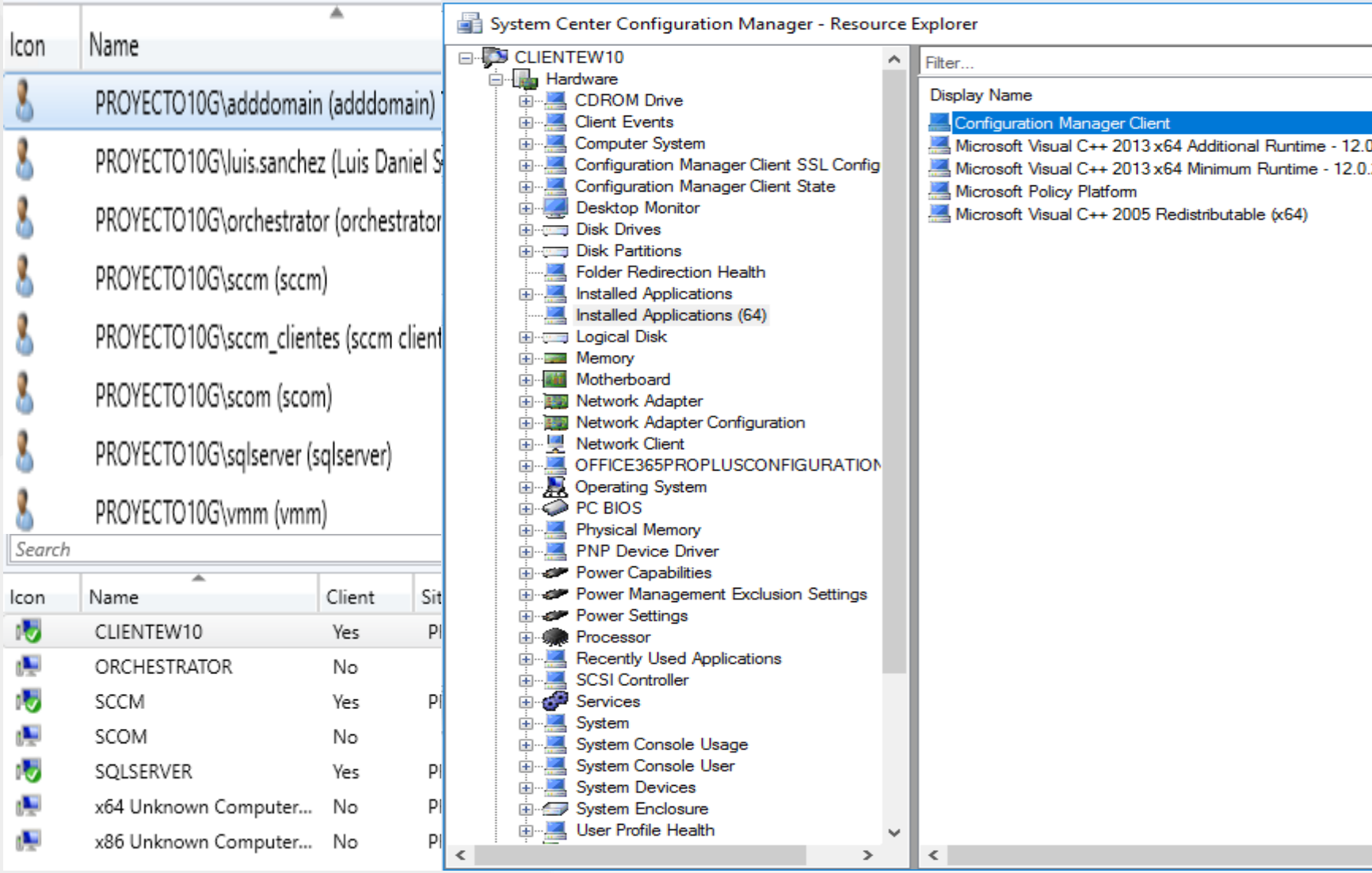
SC Configuration Manager

Consola de administración unificada con un conjunto de herramientas administrativas automatizadas para:

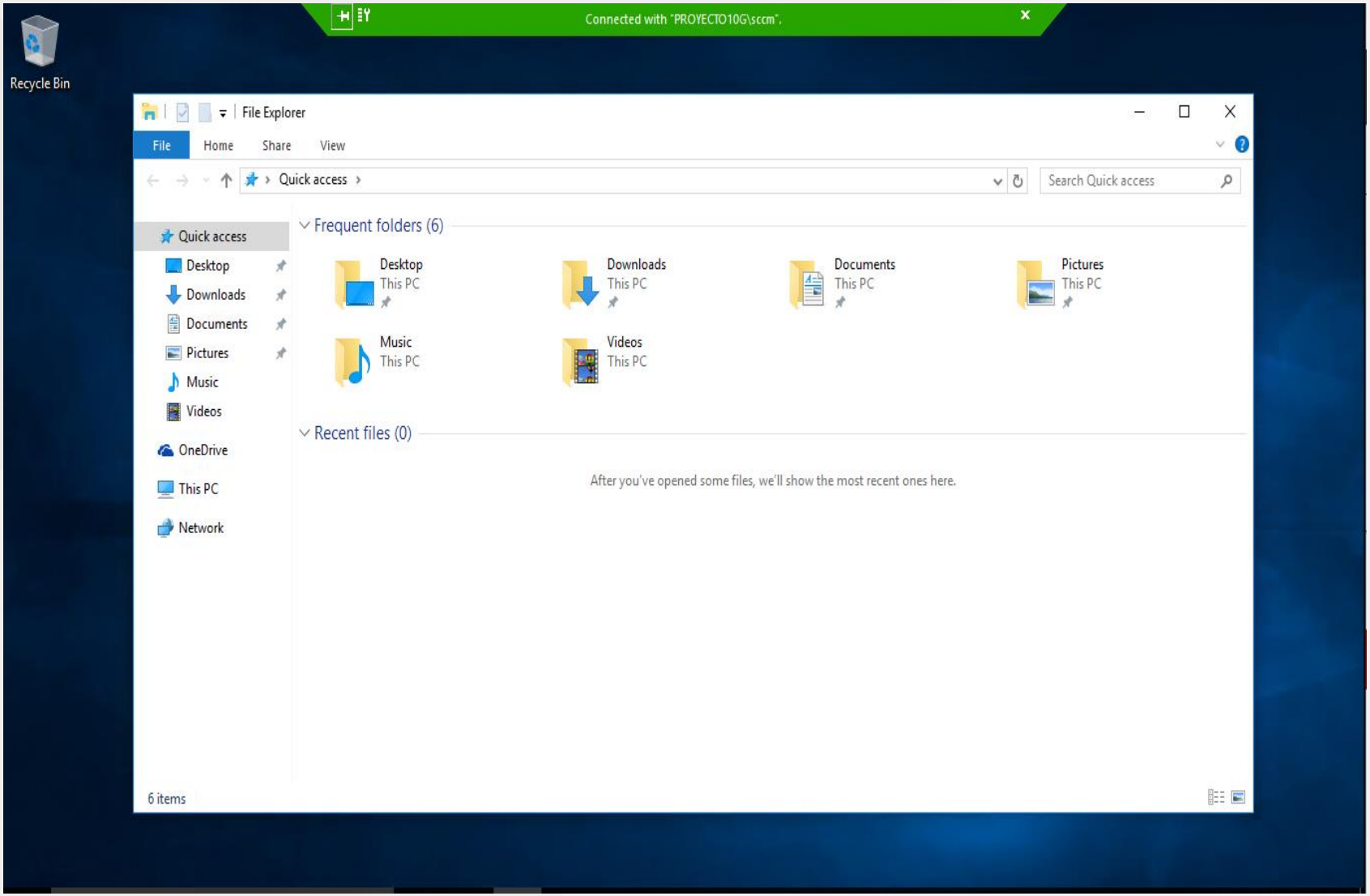
- Distribuir software
- Proteger datos
- Monitorizar equipos de la organización

Cuenta con un repositorio de información con las características de los equipos en la organización.

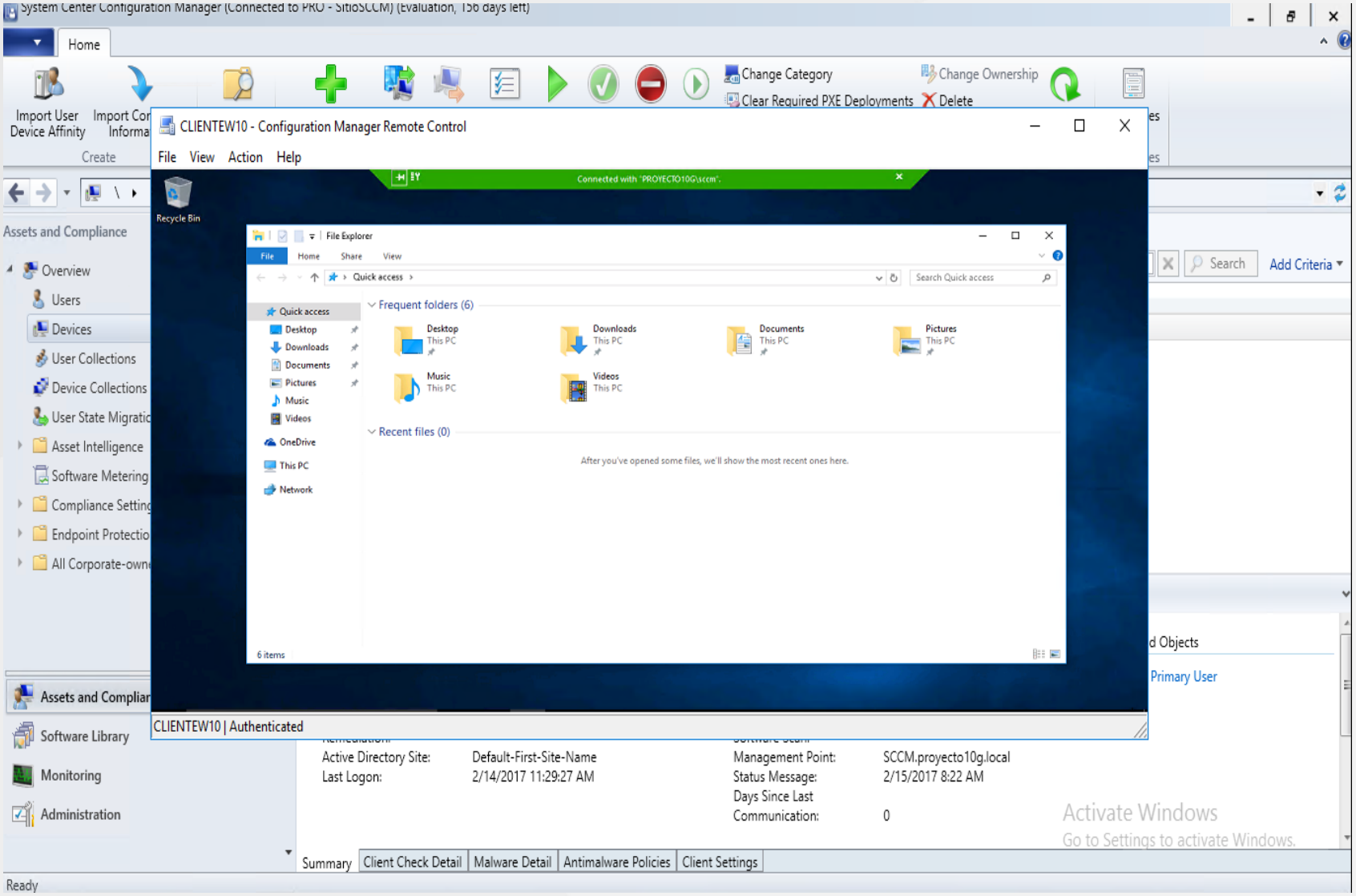
Información de equipos



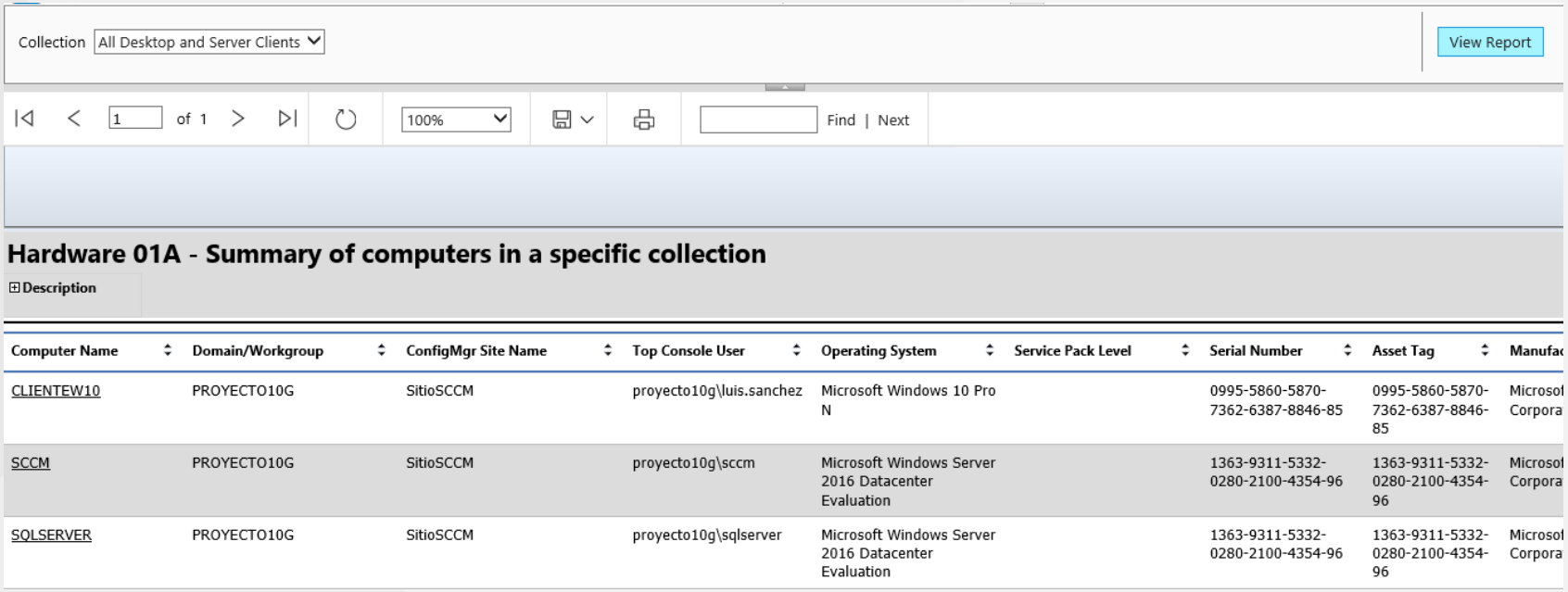
Remote tools



Remote tools



Reportes de equipos



Collection All Desktop and Server Clients

View Report

1 of 1

100%

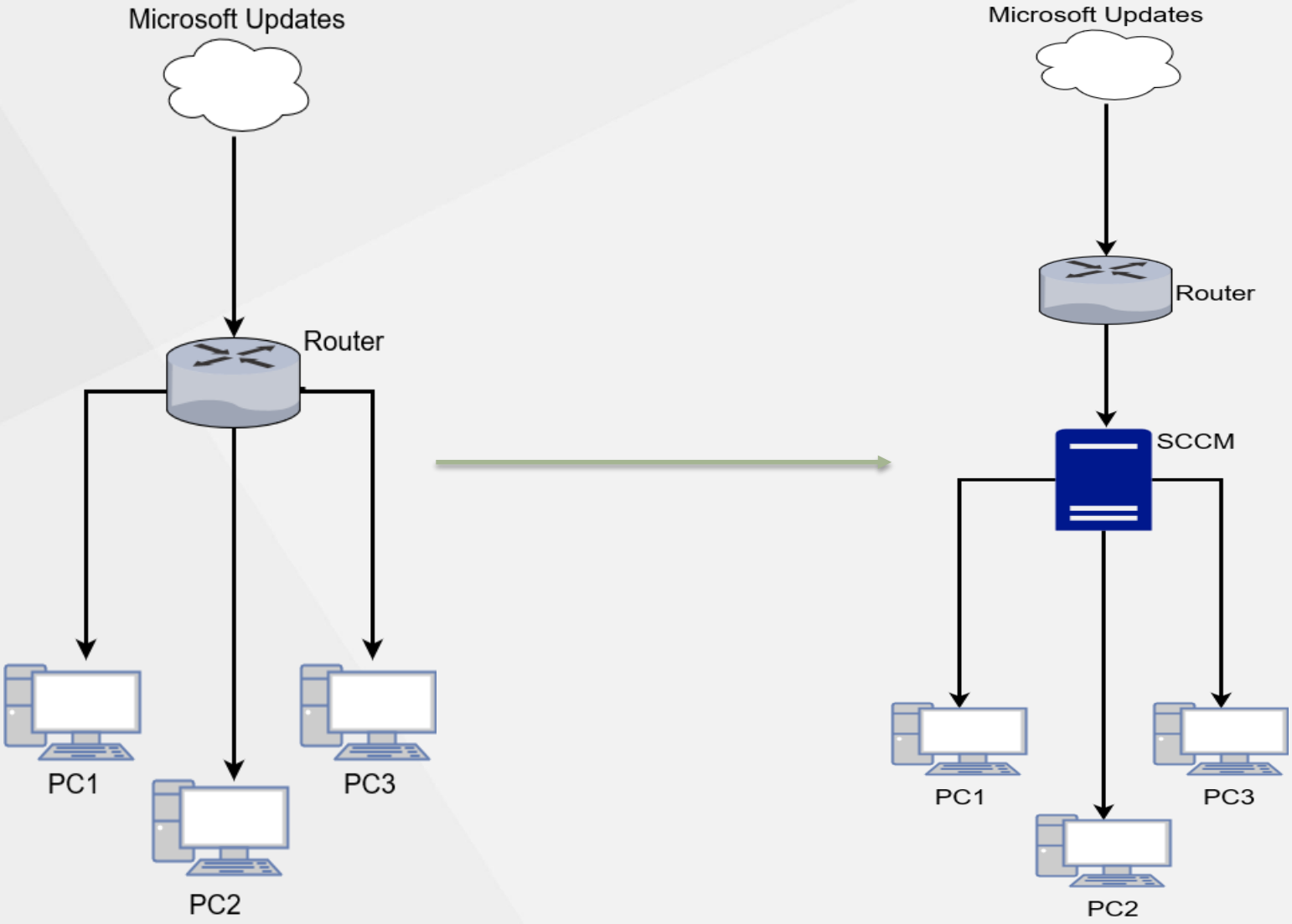
Find | Next

Hardware 01A - Summary of computers in a specific collection

Description

Computer Name	Domain/Workgroup	ConfigMgr Site Name	Top Console User	Operating System	Service Pack Level	Serial Number	Asset Tag	Manufac
CLIENTEW10	PROYECTO10G	SitioSCCM	proyecto10g\luis.sanchez	Microsoft Windows 10 Pro N		0995-5860-5870-7362-6387-8846-85	0995-5860-5870-7362-6387-8846-85	Microsol Corpora
SCCM	PROYECTO10G	SitioSCCM	proyecto10g\sccm	Microsoft Windows Server 2016 Datacenter Evaluation		1363-9311-5332-0280-2100-4354-96	1363-9311-5332-0280-2100-4354-96	Microsol Corpora
SQLSERVER	PROYECTO10G	SitioSCCM	proyecto10g\sqlserver	Microsoft Windows Server 2016 Datacenter Evaluation		1363-9311-5332-0280-2100-4354-96	1363-9311-5332-0280-2100-4354-96	Microsol Corpora

Software update point



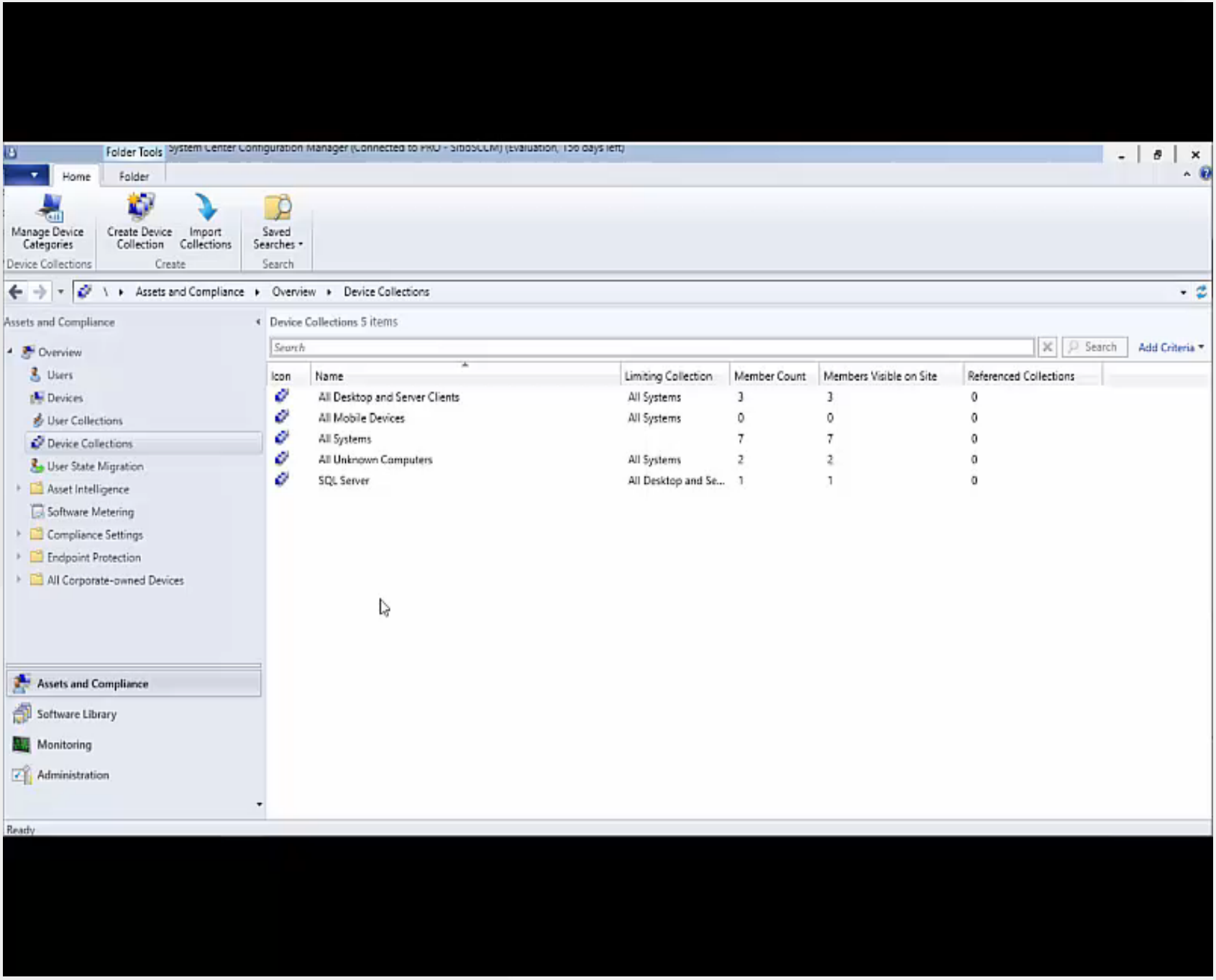
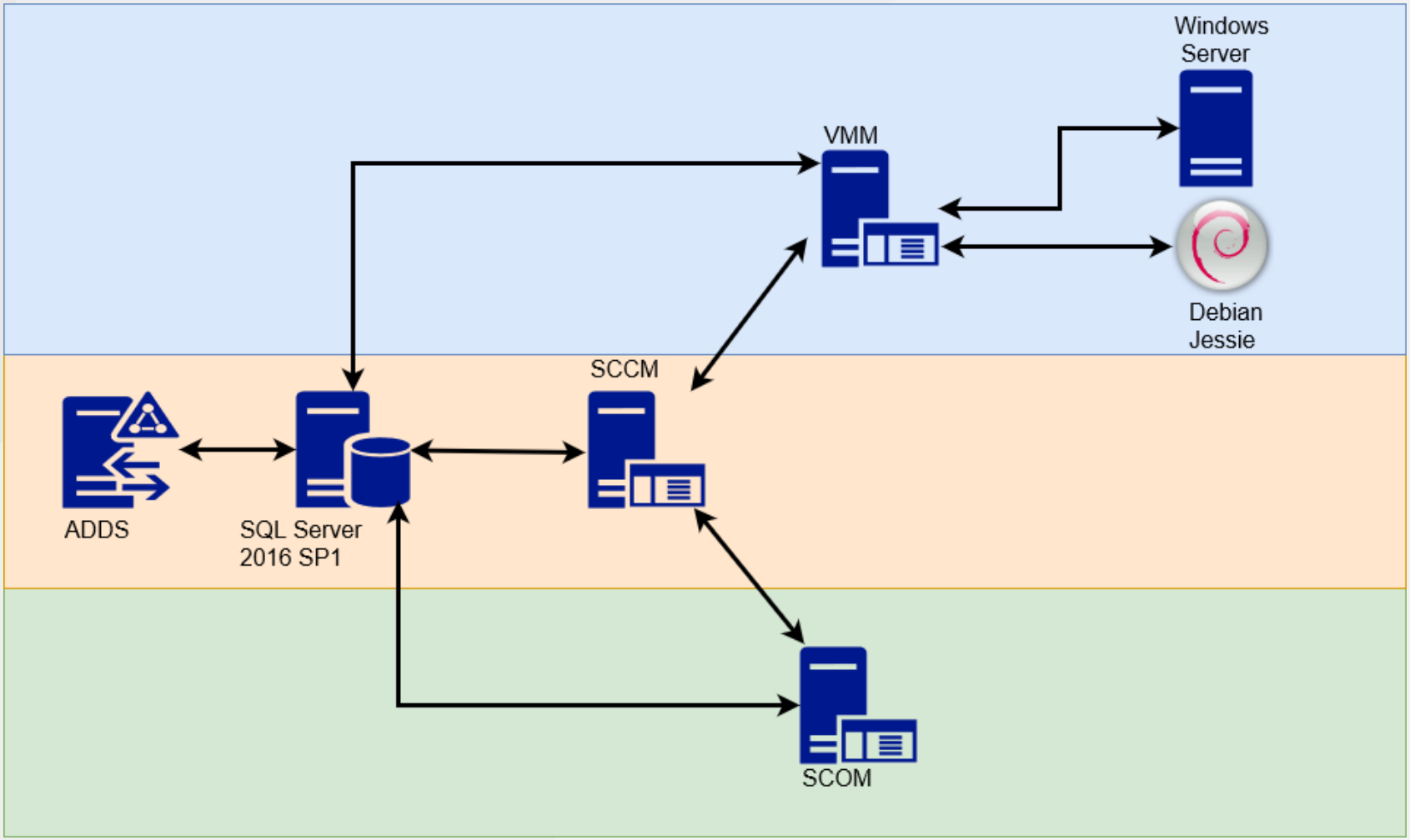

Folder Tools
Home
Folder
Manage Device Categories
Create Device Collection
Import Collections
Saved Searches
Device Collections
Create
Search
Assets and Compliance
Overview
Device Collections
Assets and Compliance
Overview
Users
Devices
User Collections
Device Collections
User State Migration
Asset Intelligence
Software Metering
Compliance Settings
Endpoint Protection
All Corporate-owned Devices
Device Collections 5 items
Search
Add Criteria
Icon
Name
Limiting Collection
Member Count
Members Visible on Site
Referenced Collections
All Desktop and Server Clients
All Systems
3
3
0
All Mobile Devices
All Systems
0
0
0
All Systems
7
7
0
All Unknown Computers
All Systems
2
2
0
SQL Server
All Desktop and Se...
1
1
0
Assets and Compliance
Software Library
Monitoring
Administration
Ready

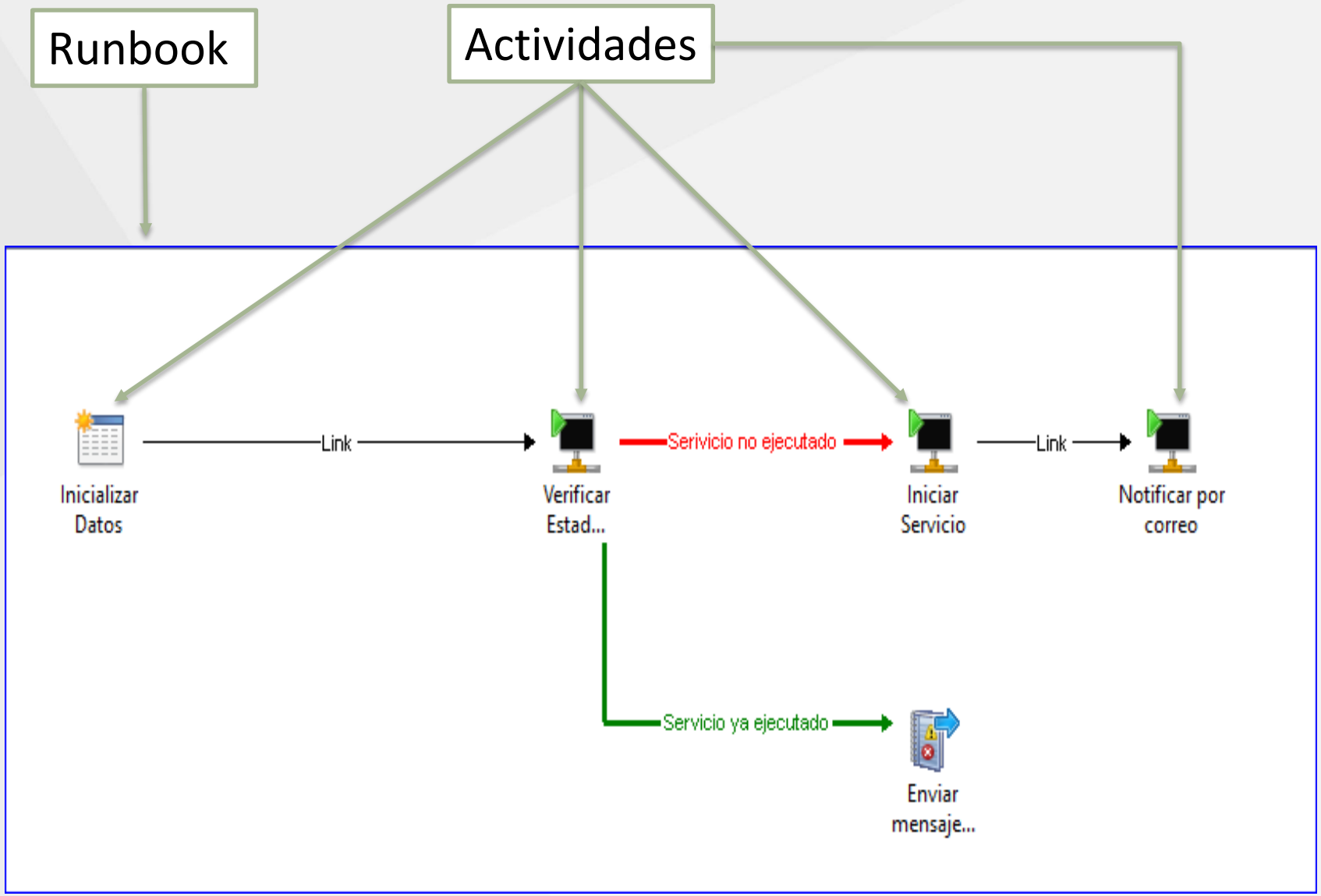
Diagrama de red



SC Orchestrator

- Administra soluciones de flujo de trabajo
- Automatiza recursos y procesos en el ambiente que se tiene en la organización
- Sin importar el hardware o plataforma

Características



http://10.0.1.6/ Apache2 Debian Default Pa...

Apache2 Debian Default Page

debian

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Debian systems. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

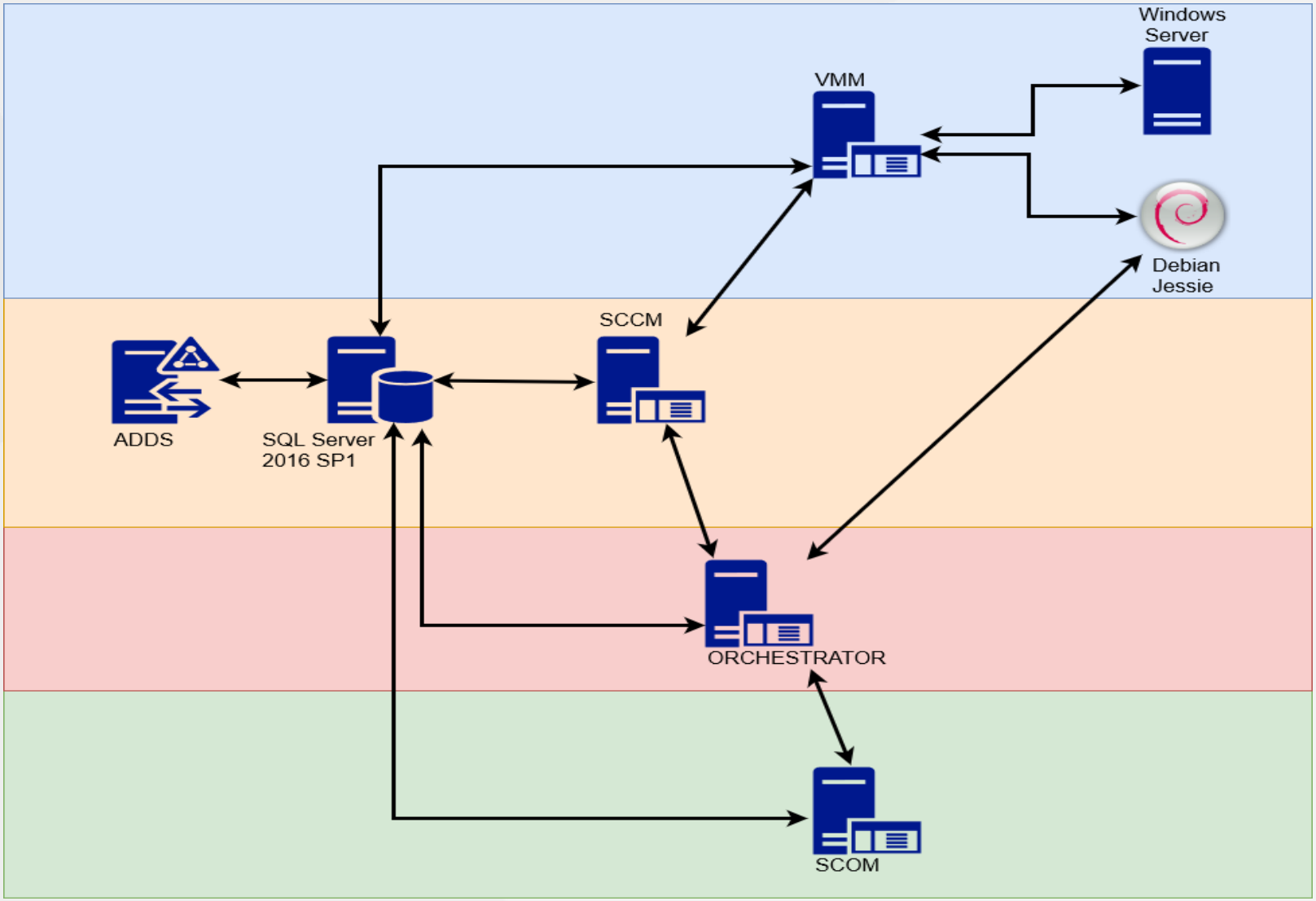
Debian's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Debian tools. The configuration system is **fully documented in /usr/share/doc/apache2/README.Debian.gz**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Debian systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|       `--  ports.conf
|-- mods-enabled
|       |-- *.load
|       `-- *.conf
|-- conf-enabled
|       `-- *.conf
|-- sites-enabled
|       `-- *.conf
```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining

Diagrama de red



Dificultades

- Crear el ambiente con versiones de CTP de System Center
- Verificar los permisos necesarios
- Asegurar los requerimientos para cada tecnología de System Center
- Integrar WSUS con SUP
- Asociar Orchestrator con SCOM o SCCM mediante Integration Pack

Conclusiones

- Se tiene un control de los equipos virtuales
- Se monitorean activos tecnológicos en la organización
- Se tiene equipos de cómputo actualizados y se conocen sus características
- Se cuenta con un ambiente inteligente que responde ante errores de forma automática

GRACIAS

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