

StarWind VSAN CVM. User permissions required for StarWind vCenter plugin

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StarWind Documents



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StarWind is a pioneer in virtualization and a company that participated in the development of this technology from its earliest days. Now the company is among the leading vendors of software and hardware hyper-converged solutions. The company's core product is the years-proven StarWind Virtual SAN, which allows SMB and ROBO to benefit from cost-efficient hyperconverged IT infrastructure. Having earned a reputation of reliability, StarWind created a hardware product line and is actively tapping into hyperconverged and storage appliances market. In 2016, Gartner named StarWind “Cool Vendor for Compute Platforms” following the success and popularity of StarWind HyperConverged Appliance. StarWind partners with world-known companies: Microsoft, VMware, Veeam, Intel, Dell, Mellanox, Citrix, Western Digital, etc.

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Description

When installing a StarWind vCenter plugin (see a link here: [Installing StarWind vCenter Plugin](#)), the engineer will be prompted for the vCenter administrator account that will be used by the plugin. It's also possible to use another account for vCenter plugin, however, it should be confirmed that it has enough permissions for its functionality. More information on how to create a vCenter Server Custom Role is available here: [Create a vCenter Server Custom Role](#) To install the StarWind vCenter plugin and then manage it, the following privileges should be configured:

- installing, managing, removing and updating plugins;
- datastore management (creation, modification, deletion);
- management of storage adapters (Add Software Adapter, Refresh, Rescan Storage, Add Send Target Server);
- host management - change configuration;
- VM management;

Solution

Please find below a list of the permissions required for vCenter plugin functionality:

Datastore

- Allocate space
- Browse datastore
- Configure datastore
- Low level file operations
- Move datastore
- Remove datastore
- Remove file
- Rename datastore
- Update virtual machine files
- Update virtual machine metadata

Extension

- Register extension
- Unregister extension
- Update extension

Host

- Configuration
 - Advanced settings
 - Authentication Store
 - Change PciPassthru settings
 - Change SNMP settings
 - Change date and time settings
 - Change settings
 - Connection
 - Firmware
 - Hyperthreading
 - Image configuration
 - Maintenance
 - Memory configuration
 - NVDIMM
 - Network configuration
 - Power
 - Quarantine
 - Query patch
 - Security profile and firewall
 - Storage partition configuration
 - System Management
 - System resources
 - Virtual machine autostart configuration

Network

- Assign network
- Configure
- Move network
- Remove

Vapp

- Add virtual machine
- Assign resource pool
- Assign vApp

- Clone
- Create
- Delete
- Export
- Import
- Move
- Power off
- Power on
- Rename
- Suspend
- Unregister
- View OVF environment
- vApp application configuration
- vApp instance configuration
- vApp managedBy configuration
- vApp resource configuration

Virtual Machine

- Change Configuration
 - Acquire disk lease
 - Add existing disk
 - Add new disk
 - Add or remove device
 - Advanced configuration
 - Change CPU count
 - Change Memory
 - Change Settings
 - Change Swapfile placement
 - Change resource
 - Configure Host USB device
 - Configure Raw device
 - Configure managedBy
 - Display connection settings
 - Extend virtual disk
 - Modify device settings
 - Query Fault Tolerance compatibility
 - Query unowned files
 - Reload from path

- Remove disk
 - Rename
 - Reset guest information
 - Set annotation
 - Toggle disk change tracking
 - Toggle fork parent
 - Upgrade virtual machine compatibility
- Edit Inventory
 - Create from existing
 - Create new
 - Move
 - Register
 - Remove
 - Unregister
- Guest operations
 - Guest operation alias modification
 - Guest operation alias query
 - Guest operation modifications
 - Guest operation program execution
 - Guest operation queries
- Interaction
 - Answer question
 - Backup operation on virtual machine
 - Configure CD media
 - Configure floppy media
 - Connect devices
 - Console interaction
 - Create screenshot
 - Defragment all disks
 - Drag and drop
 - Guest operating system management by VIX API
 - Inject USB HID scan codes
 - Install VMware Tools
 - Pause or Unpause
 - Perform wipe or shrink operations
 - Power off
 - Power on
 - Record session on virtual machine
 - Replay session on virtual machine








- Reset
- Resume Fault Tolerance
- Suspend
- Suspend Fault Tolerance
- Test failover
- Test restart Secondary VM
- Turn off Fault Tolerance
- Turn on Fault Tolerance
- Provisioning
 - Allow disk access
 - Allow file access
 - Allow read-only disk access
 - Allow virtual machine download
 - Allow virtual machine files upload
 - Clone template
 - Clone virtual machine
 - Create template from virtual machine
 - Customize guest
 - Deploy template
 - Mark as template
 - Mark as virtual machine
 - Modify customization specification
 - Promote disks
 - Read customization specifications
- Service configuration
 - Allow notifications
 - Allow polling of global event notifications
 - Manage service configurations
 - Modify service configuration
 - Query service configurations
 - Read service configuration
- Snapshot management
 - Create snapshot
 - Remove snapshot
 - Rename snapshot
 - Revert to snapshot
- vSphere Replication
 - Configure replication
 - Manage replication

- Monitor replication

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