Using the REST API to manage RHEV

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About the RHEV-M REST API
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• Integrate RHEV-M with third-party virtualization software
• Perform automated maintenance or error-checking tasks
• Automate repetitive RHEV management tasks with scripts
API features

- Infrastructure configuration
- VM configuration and management
- Guest networking, virtual disks, and VM properties
- User and accounting management
- Daily maintenance and VM life-cycle management
- Advanced operations not available using the GUI

Perl, Python, or Java – HTTP and XML support
https://rhevm.pod0.example.com/api
Using the RHEV-M REST API with curl
wget http://rhevm.pod0.example.com/ca.crt
curl
--cacert ca.crt
-u 'rhevadmin@example.com:redhat'
https://rhevm.pod0.example.com/api
curl
--cacert ca.crt
-u 'rhevadmin@example.com'
https://rhevm.pod0.example.com/api
echo 'machine rhevm.pod0.example.com login rhevadmin@example.com password redhat' > ~/.netrc

chmod 600 ~/.netrc

curl -n --cacert ca.crt https://rhevm.pod0.example.com/api
curl -n --cacert ca.crt
https://rhevm.pod0.example.com/api/vms?search=*rhel*
curl -n --cacert ca.crt
   -X PUT
   -H 'Accept: application/xml'
   -H 'Content-Type: application/xml'
   -d '<vm><description>API Example</description></vm>'
https://rhevm.pod0.example.com/api/vms/UUID
curl -n --cacert ca.crt
   -X POST
   -H 'Accept: application/xml'
   -H 'Content-Type: application/xml'
   -d '<action><pause>true</pause></action>'
https://rhevm.pod0.example.com/api/vms/UUID/start
curl -n --cacert ca.crt
  -X POST
  -H 'Accept: application/xml'
  -H 'Content-Type: application/xml'
  -d '<action />'
https://rhevm.pod0.example.com/api/vms/UUID/shutdown
Using the RHEV-M REST API with python
wget
http://172.25.254.254/pub/materials/storage_query.py
LEARN. NETWORK.
EXPERIENCE OPEN SOURCE.