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# RedHat Certified Specialist in OpenShift Administration exam

## Study points for the course & exam

To help you prepare, these objectives highlight the task areas you can expect to see in the exam. Red Hat reserves the right to add, modify, and remove exam objectives. Such changes will be made public in advance.

To become a **Red Hat Certified Specialist in OpenShift Administration**, you should be able to perform these tasks:

### Manage OpenShift Container Platform

- Use the command-line interface to manage and configure an OpenShift cluster
- Use the web console to manage and configure an OpenShift cluster
- Create and delete projects
- Import, export, and configure Kubernetes resources
- Examine resources and cluster status
- View logs
- Monitor cluster events and alerts
- Troubleshoot common cluster events and alerts
- Use product documentation

### Manage users and policies

- Configure the HTPasswd identity provider for authentication
- Create and delete users
- Modify user passwords
- Modify user and group permissions
- Create and manage groups



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## Control access to resources

- Define role-based access controls
- Apply permissions to users
- Create and apply secrets to manage sensitive information
- Create service accounts and apply permissions using security context constraints

## Configure networking components

- Troubleshoot software defined networking
- Create and edit external routes
- Control cluster network ingress
- Create a self-signed certificate
- Secure routes using TLS certificates

## Configure pod scheduling

- Limit resource usage
- Scale applications to meet increased demand
- Control pod placement across cluster nodes

## Configure cluster scaling

- Manually control the number of cluster workers
- Automatically scale the number of cluster workers

As with all Red Hat performance-based exams, configurations must persist after reboot without intervention.