**Red Hat Certified Architect: Cloud**

A Red Hat® Certified Architect (RHCA) with a cloud concentration is a Red Hat Certified Engineer (RHCE) who has attained Red Hat’s highest level of certification, proving their skills and knowledge maintaining and using cloud infrastructure.

**Courses Outline:**

Cloud concentration skills include:

* Create, configure, and manage private clouds using Red Hat OpenStack® Platform.
* Manage virtual, private, and hybrid cloud infrastructures with Red Hat CloudForms.
* Create, configure, and manage a cloud application platform with OpenShift Enterprise by Red Hat.
* Implement flexible storage solutions for on-premise and hybrid clouds.
* Manage many systems using Red Hat Satellite Server.

Choose 5 from the following certifications:

* [Red Hat Certified Engineer in Red Hat OpenStack](https://www.redhat.com/en/services/certification/rhce-red-hat-openstack) (CL210)
* [Red Hat Certified System Administrator in Red Hat OpenStack](https://www.redhat.com/en/services/certification/rhcsa-rhos) (CL110)
* [Red Hat Certificate of Expertise in Hybrid Cloud Management](https://www.redhat.com/en/services/certification/rhcoe-hybrid-cloud-management) (CL220)
* [Red Hat Certificate of Expertise in Platform-as-a-Service](https://www.redhat.com/en/services/certification/rhcoe-paas) (DO280)
* [Red Hat Certificate of Expertise in Hybrid Cloud Storage](https://www.redhat.com/en/services/certification/rhcoe-hybrid-cloud-storage) (RH236)
* [Red Hat Certified Virtualization Administrator (RHCVA)](https://www.redhat.com/en/services/certification/rhcva) (RH318)
* [Red Hat Certificate of Expertise in Deployment and Systems Management](https://www.redhat.com/en/services/certification/rhcoe-deployment-systems-management) (RH403)
* [Red Hat Certificate of Expertise in Configuration Management](https://www.redhat.com/en/services/certification/rhcoe-configuration-management-with-puppet) (DO405)
* [Red Hat Certificate of Expertise in Ansible Automation](https://www.redhat.com/en/services/certification/rhcoe-ansible-automation) (DO407)
* [Red Hat Certificate of Expertise in Atomic Host Container Administration](https://www.redhat.com/en/services/certification/rhcoe-atomic-host-container-administration) (RH270)

To attain RHCA status, an RHCE must pass any 5 of the following exams:

* [EX210 – Red Hat Certified System Administrator in Red Hat OpenStack exam](https://www.redhat.com/en/services/training/ex210-red-hat-certified-system-administrator-red-hat-openstack-exam)
* [EX220 – Red Hat Certificate of Expertise in Hybrid Cloud Management exam](https://www.redhat.com/en/services/training/ex220-red-hat-certificate-expertise-hybrid-cloud-management-exam)
* [EX236 – Red Hat Certificate of Expertise in Hybrid Cloud Storage exam](https://www.redhat.com/en/services/training/ex236-red-hat-certificate-expertise-hybrid-cloud-storage-exam)
* [EX280 – Red Hat Certificate of Expertise in Platform-as-a-Service exam](https://www.redhat.com/en/services/training/ex280-red-hat-certificate-expertise-platform-service-exam)
* [EX310 – Red Hat Certified Engineer in Red Hat OpenStack](https://www.redhat.com/en/services/training/ex310-red-hat-certified-engineer-red-hat-openstack-exam)
* [EX318 – Red Hat Certified Virtualization Administrator exam](https://www.redhat.com/en/services/training/ex318-red-hat-certified-virtualization-administrator-rhcva-exam)
* [EX403 – Red Hat Certificate of Expertise in Deployment and Systems Management exam](https://www.redhat.com/en/services/training/ex403-red-hat-certificate-expertise-deployment-systems-management-exam)
* [EX405 – Red Hat Certificate of Expertise in Configuration Management with Puppet](https://www.redhat.com/en/services/training/ex405-red-hat-certificate-expertise-configuration-management-puppet)
* [EX407 – Red Hat Certificate of Expertise in Ansible Automation](https://www.redhat.com/en/services/training/ex407-red-hat-certificate-expertise-ansible-automation)