

## INTERROUTE VIRTUAL DATA CENTRE

### Application Programming Interface (API)

**Automate the provisioning and control of your Virtual Data Centre using Interoute's API**

**The Interoute Virtual Data Centre (VDC) API allows you to automate the creation and management of your VDC and integrate it into your existing business processes.**

The Interoute VDC API is a RESTful web service that allows authorised customers to manage their virtual infrastructure across all of Interoute's geographic zone locations. Using the VDC API you can control what type of machine your users can deploy by building it directly into your business. If, for example, you launch a new product and demand exceeds expectations, the API allows you to increase capacity automatically.

The Interoute VDC API is available in two forms, an Amazon EC2 compliant format and the emerging open standard format jclouds, which is an open source library that helps developers to get started with API development.

#### Key Benefits

- Simple integration with existing business systems
- You control the type of virtual machine being deployed
- Increased speed of deployment
- Simple network auditing
- Enables elasticity based on your business rules through simple scripting

#### EC2 Adapter Functions

- Create/launch virtual machine
- List virtual machines
- Stop virtual machine
- Start virtual machine
- Destroy virtual machine
- List customer appliance library images
- Create volume
- List volumes
- Attach volume
- Detach volume
- Delete volume
- List Network Interface Cards (NIC)
- Attach NIC
- Detach NIC
- Delete NIC

#### jclouds Adapter Functions

- Enable API access
- List virtual data centres
- Detail a virtual data centre
- List private networks
- Detail private networks
- List appliance libraries (template repositories)
- Create a virtual machine
- List virtual machines
- Detail a virtual machine
- Deploy a virtual machine
- Undeploy a virtual machine
- List virtual machine templates in a repository
- Detail a virtual machine template listed in a specific repository
- List volumes
- Detail a specific volume
- Create a virtual appliance
- List virtual appliances
- Detail virtual appliances

