University of Zurich[UZH]

S^{3}IT: Services and Support for Science IT

ScienceCloud Introduction

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Why did we build ScienceCloud?

Part of S^{3}IT research infrastructure strategy which include:

- High Performance Computing
- Cluster Computing
- Server Computing
- Research Data Storage

Store, access and process research data.

What criteria have been driving this?

Self-provisioning / elasticity of VMs, Storage and Network (ultimately of Services).

Scalability and extensibility of the underlying infrastructure.

Reliability and availability of the services.

Why would you care?

Researchers' FAQ:

- How can I run this data analysis on 1000 cores since on my laptop is too slow? (btw, I need to submit for publication by end of this month)
- Where can I put this 100TB of data that I need to analyze? (did I tell you I have a deadline end of this month?)
- How can I automate all of this? Can you do it for me?
- Do I need to adapt my application to run on your system? Can you do it for me?

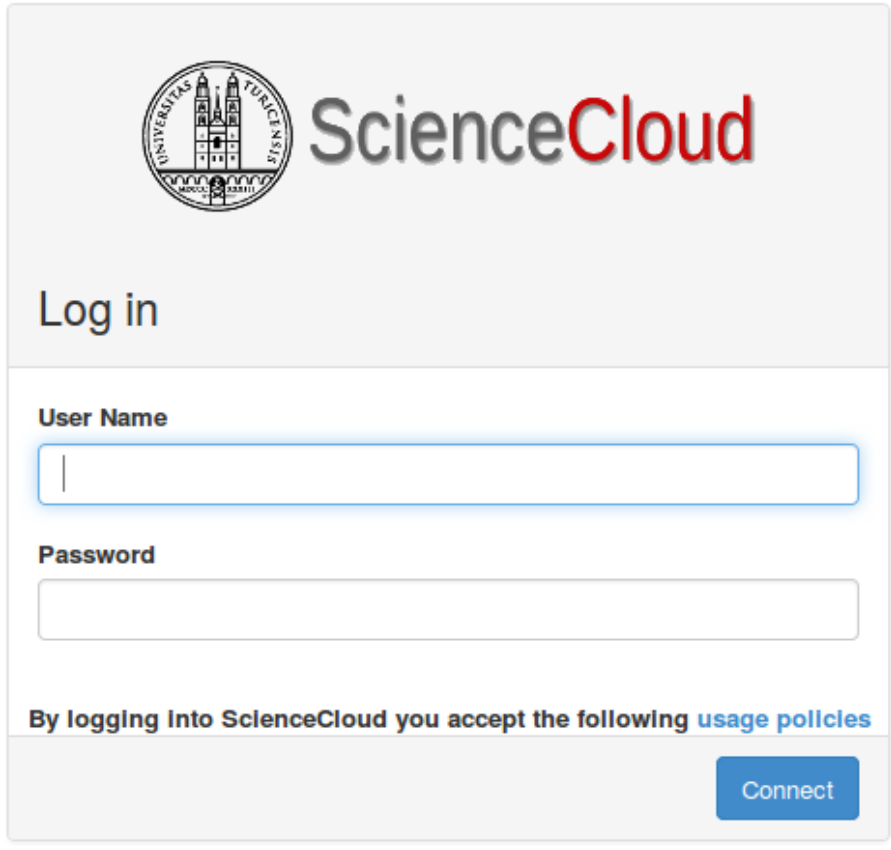
The infrastructure adapts to the use case

ScienceCloud is not an isolated service.

S^{3}IT provides solutions for your data analysis usecase:

- Usecase analysis
- Solution enginneering and implementaion
- tools to run large scale data alaysis and to automate the infrastructure provisioning:
  - GC3Pie
  - Elasticluster
- Development to implement large-scale data analysis solutions
- and the infrastructure where to run it.

Demo


ScienceCloud
Log in
User Name
Password
By logging into ScienceCloud you accept the following usage policies
Connect

Training/support

- One day per month allocated for ScienceCloud training
- Ad-hoc training and site visits on demand
- help@s3it.uzh.ch for any request/suggestion

Thanks!

Questions?