

# Highly Scalable Data Service (HSDS) Tutorial

*Thursday 21 September 2023 13:30 (1 hour)*

Hands on tutorial for running HSDS. HSDS is a RESTful service for HDF data that can be used in cloud, desktop, or HPC environments. Tutorial will cover:

HSDS architecture

Installing HSDS

Configuration Options

HSDS command line tools

HSDS compression

Accessing HSDS with REST, Python, and C (rest-vol)

TO JOIN THE TUTORIAL, YOU NEED:

Install Anaconda Python from: <https://www.anaconda.com/download>

Create an anaconda environment: `\condcreate-nhdsworkshopython = 3.9` Activate the environment :  
`$condaactivatehdsworkshop`

Install hsd : `\ pip install hsd` Install h5py: `$ pip install h5py`

Install h5pyd: `\$ pip install h5pyd`

## Website

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**Session Classification:** Day 3