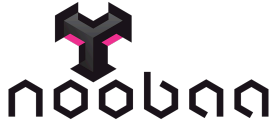# Getting Started Tutorial

Community Edition

Introduction

This document will guide you through NooBaa system setup, and assumes that the user has an existing understanding of NooBaa architecture and functionality. For more information on NooBaa's technology, please contact info@noobaa.com
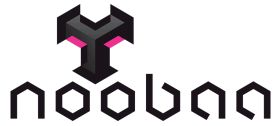
A setup includes the following high level steps:

1. **NooBaa Core deployment** - A virtual machine that includes NooBaa core server with a management console. This virtual machine also includes a default S3 REST gateway.

2. **Daemon installation and distribution** - Daemon software is required for every storage node that takes part in the storage network. This software is available for download from the virtual machine, as well its unique configuration used for authentication.

3. **S3 storage client** - In order to use NooBaa Object Storage, S3 client is required. The S3 client connects to the S3 REST gateway, which by default resides on the virtual machine and allows upload/download objects.

Getting started with NooBaa

Virtual Machine deployment

1. Download and import the downloaded files to ESX
2. Enter the credentials noobaa/Passw0rd as described

```
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Welcome to your NooBaa server.


Configured IP on this NooBaa Server NONE.

No Server Secret

You can set up a cluster member, configure IP, DNS, GW and Hostname by logging i
n using noobaa/Passw0rd
localhost login: _
```
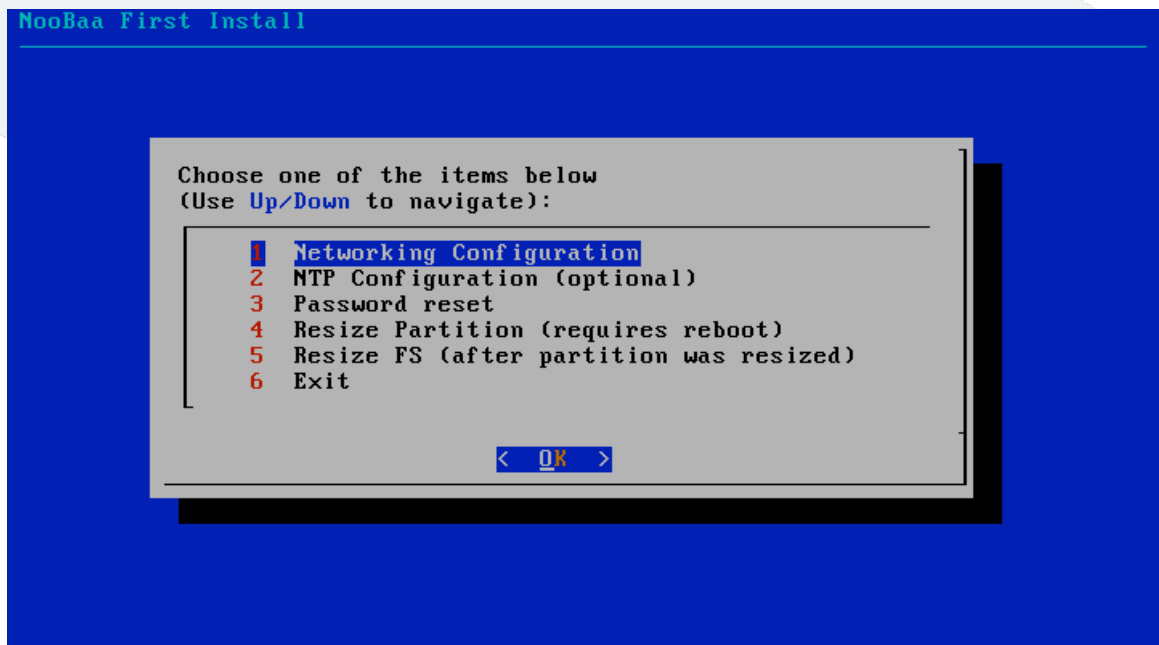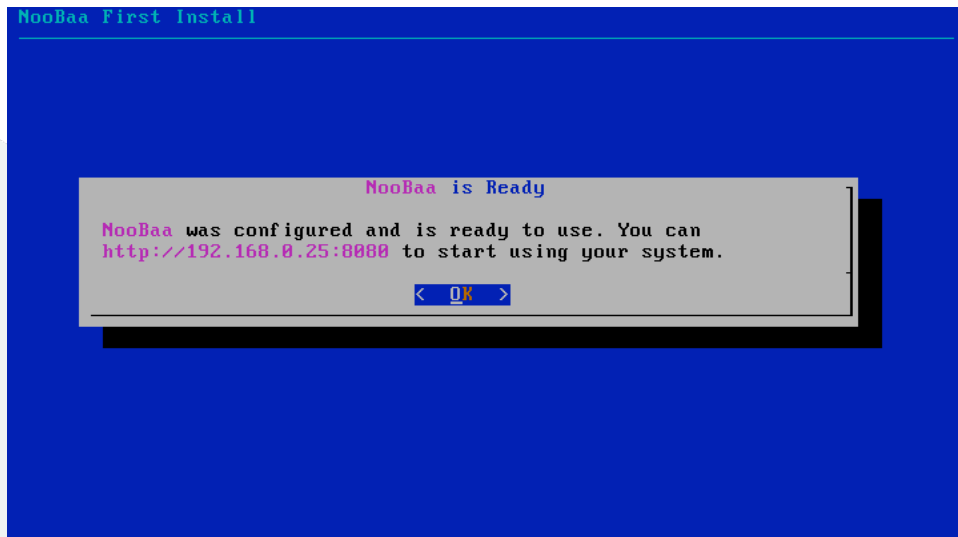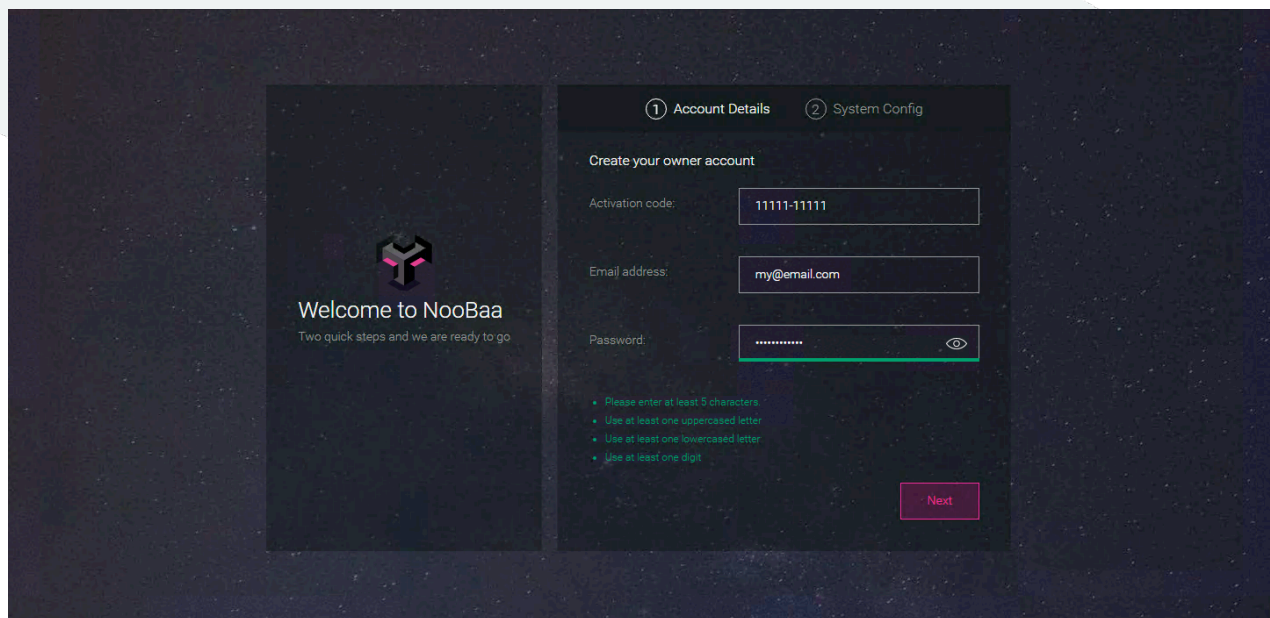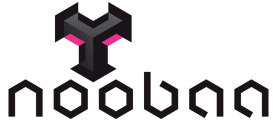
Follow the wizard steps and setup your network configuration. Use Up/Down keys to navigate.


```
NooBaa First Install

   Choose one of the items below
   (Use Up/Down to navigate):

        1  Networking Configuration
        2  NTP Configuration (optional)
        3  Password reset
        4  Resize Partition (requires reboot)
        5  Resize FS (after partition was resized)
        6  Exit


                    <  OK  >
```

3. When you are done, you will get the management URL http://YourIP:8080 or https://YourIP:8443

```
NooBaa First Install
─────────────────────────────────────────────

                    NooBaa is Ready

        NooBaa was configured and is ready to use. You can
        http://192.168.0.25:8080 to start using your system.

                        <  OK  >
```
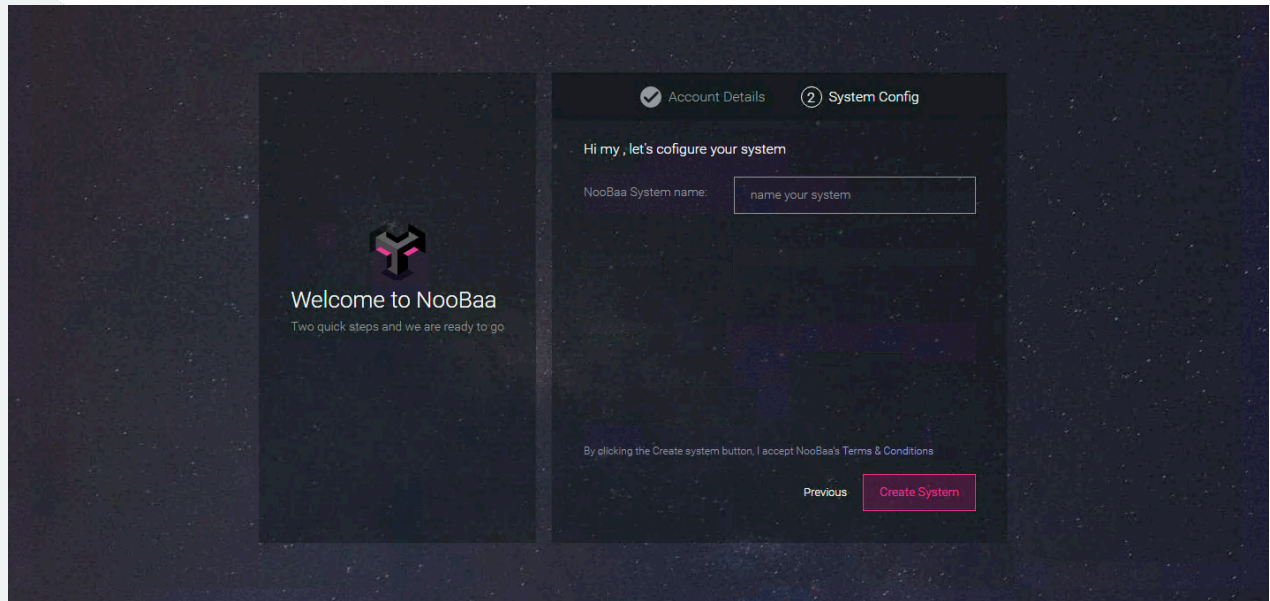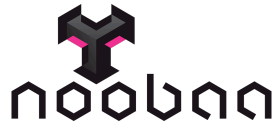
4. Connect to your system via http://YourIpHere:8080

By default, you will be required to create a new system

Activation Code – Use the activation code received by email from NooBaa team.

Email address – Used for management user login

System Name – Used to uniquely identify this system instance
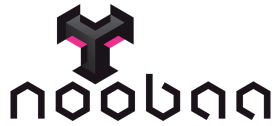
Agent installation and distribution

1. Click on "Install Node" to add a compute node to your system

2. Follow the "Install Node" wizard

Network Installation is used when you are able to download and execute remotely.
This process involves either PowerShell commands (windows) or Bash (Linux)

Open Bash or Powershell and execute the appropriate command, based on the
selected OS
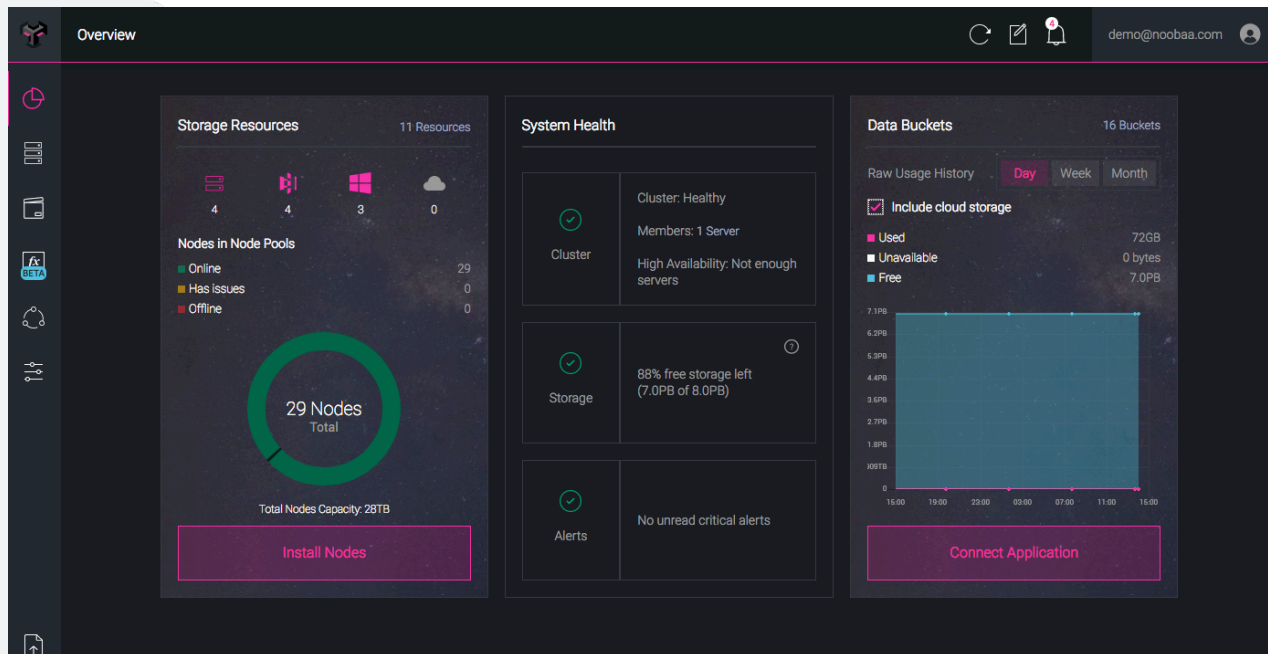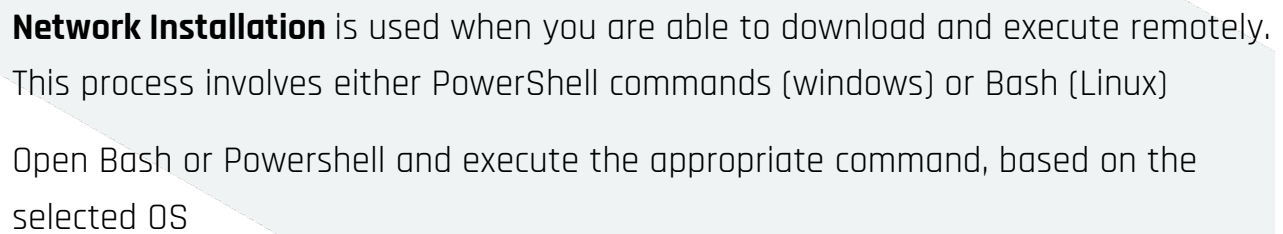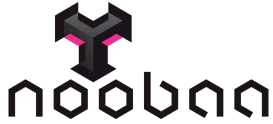
- That's it! The nodes are now assigned to the **default pool**

  Please note that a minimum of 3 nodes is required before you can use the system. Each node must have more than 10GB free space.

- Navigate to Resources -> default_pool. All the nodes we had just added will appear as "Online"

If the nodes do not show up within a few minutes, it is most likely a firewall on the node or between the server and node is preventing communication.
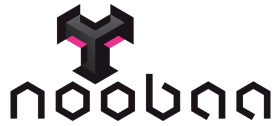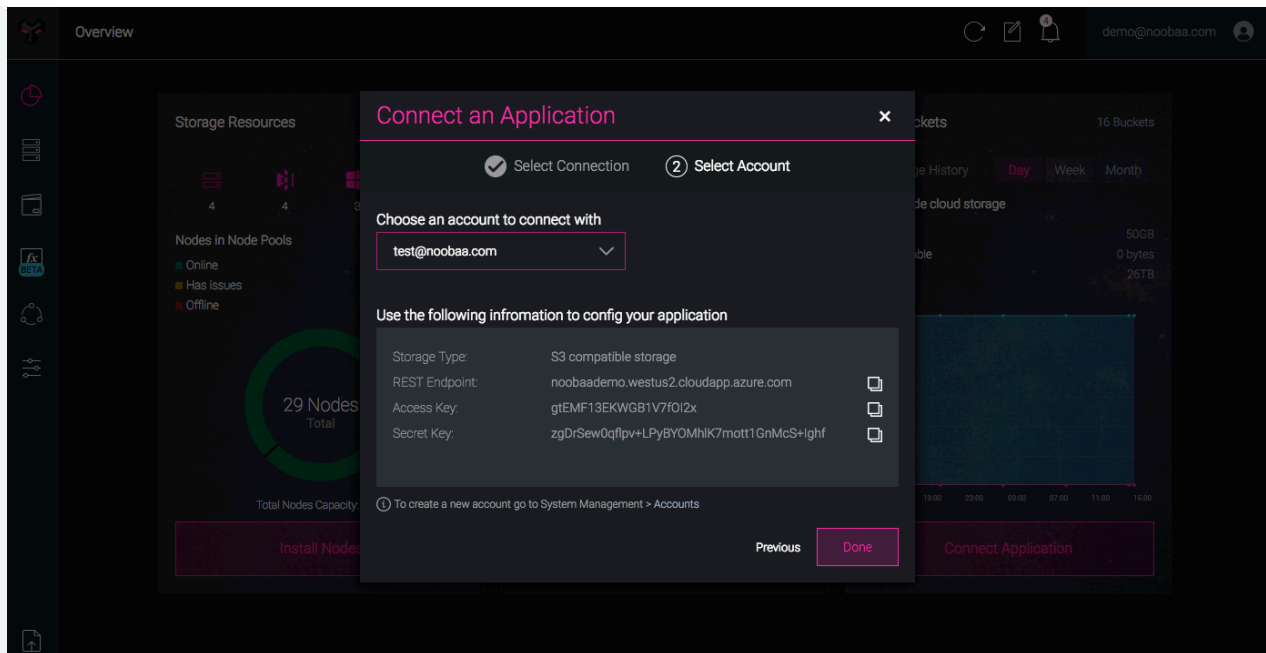
S3 storage client

1. In the overview page, click on **Connect Application** button
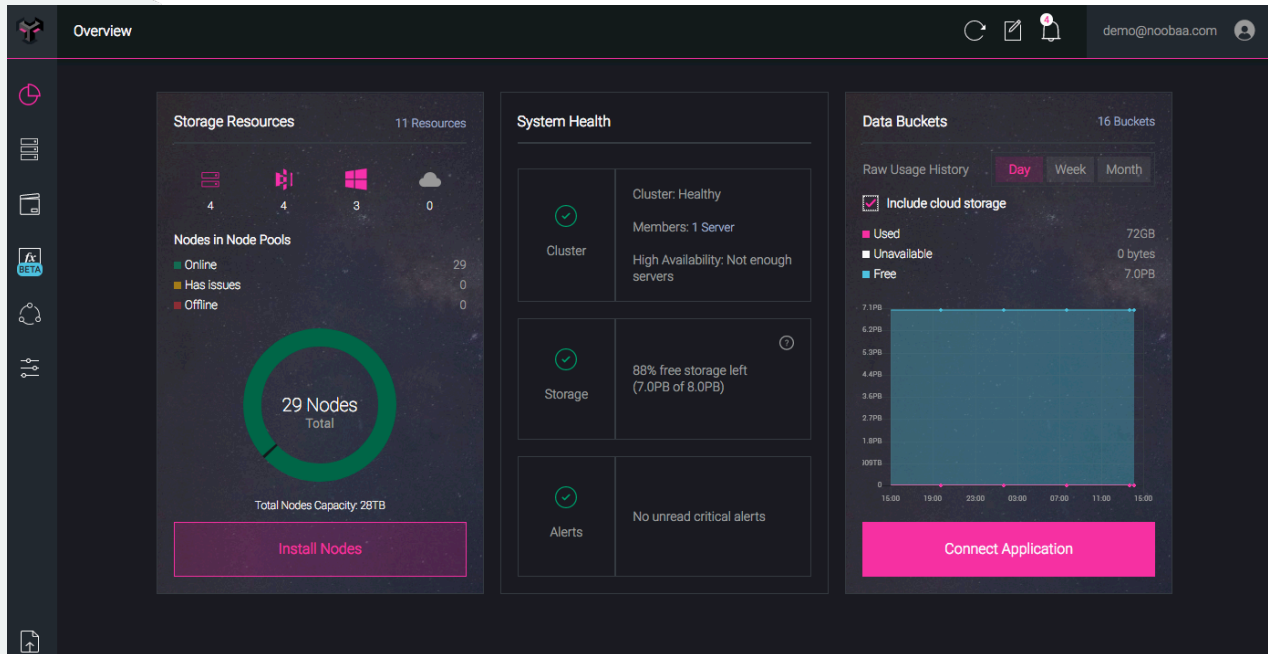
2. Use the following details for your S3 application

Each NooBaa account has a unique **access key** and **secret key** which are used to limit bucket exposure to specific accounts.

During installation, a default bucket is created named "Files". The user we had just created is already configured with access permissions to this bucket. We are able to create many buckets and accounts in various combinations.
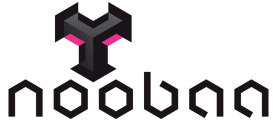
For this guide, we will continue to any S3Browser application to access Files bucket. Any S3 client or AWS S3 SDK can be used.
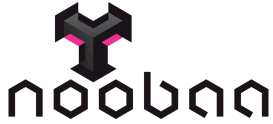
3. Configure noobaa REST details in S3 Browser (Installer for this software can be found here http://s3browser.com/)

[S3 browser example:]

4. Upload a test file via S3 Browser Upload
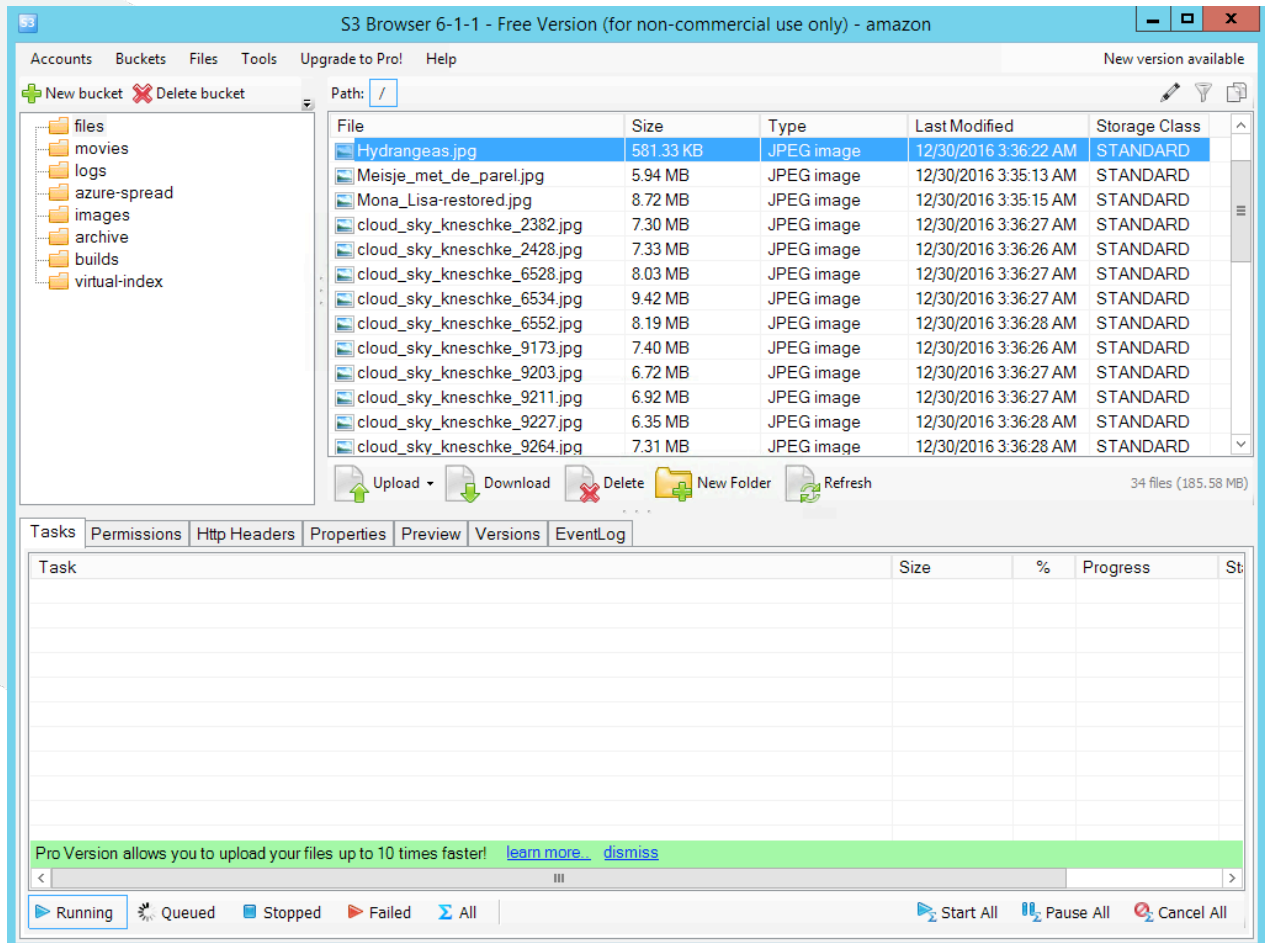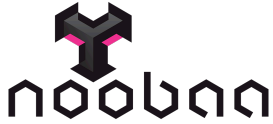
5. The uploaded file is also visible in NooBaa under "Files" bucket

Congratulations on completing this NooBaa tutorial!

You are now able to start exploring and experimenting

For any questions or assistance, please contact support@noobaa.com