

Getting started Guide

Alpha version

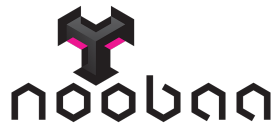


Introduction

This document will guide you through NooBaa system setup

A setup includes the following high level steps:

1. **Virtual Machine deployment** - The virtual machine includes NooBaa metadata server with a management console. This virtual machine also includes a default REST gateway that can be used out of the box.
2. **Agent installation and distribution** - Agent software is required for every node (desktop machine) 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 REST gateway (which resides on the virtual machine) and allows upload/download objects.



3. Follow The wizard steps

```
Welcome to NooBaa
Welcome to your NooBaa experience.

This is a short first install wizard to help
configure NooBaa to best suit your needs
```

< OK >

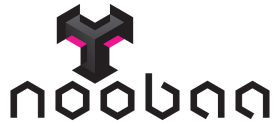
- Choose IP assignment: Static or dynamic

NooBaa First Install

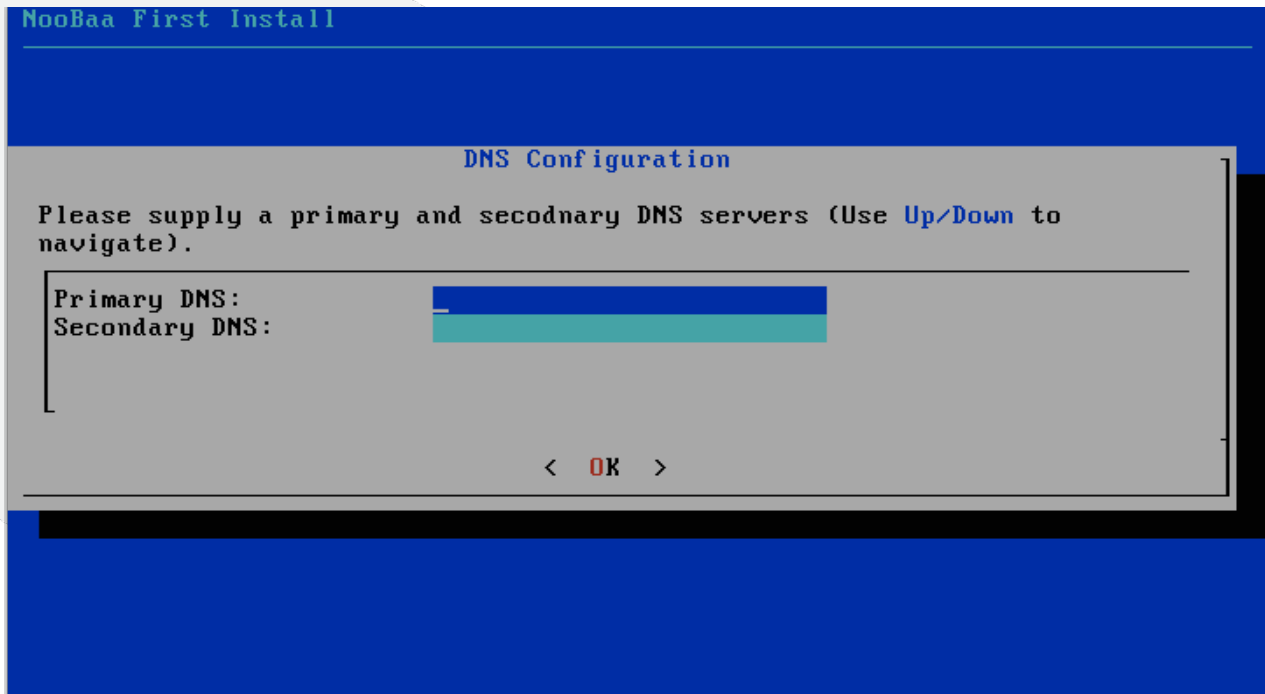
```
Current IP: 192.168.1.131 .
Choose IP Assignment (Use Up/Down to navigate):
```

```
1 Static IP
2 Dynamic IP
```

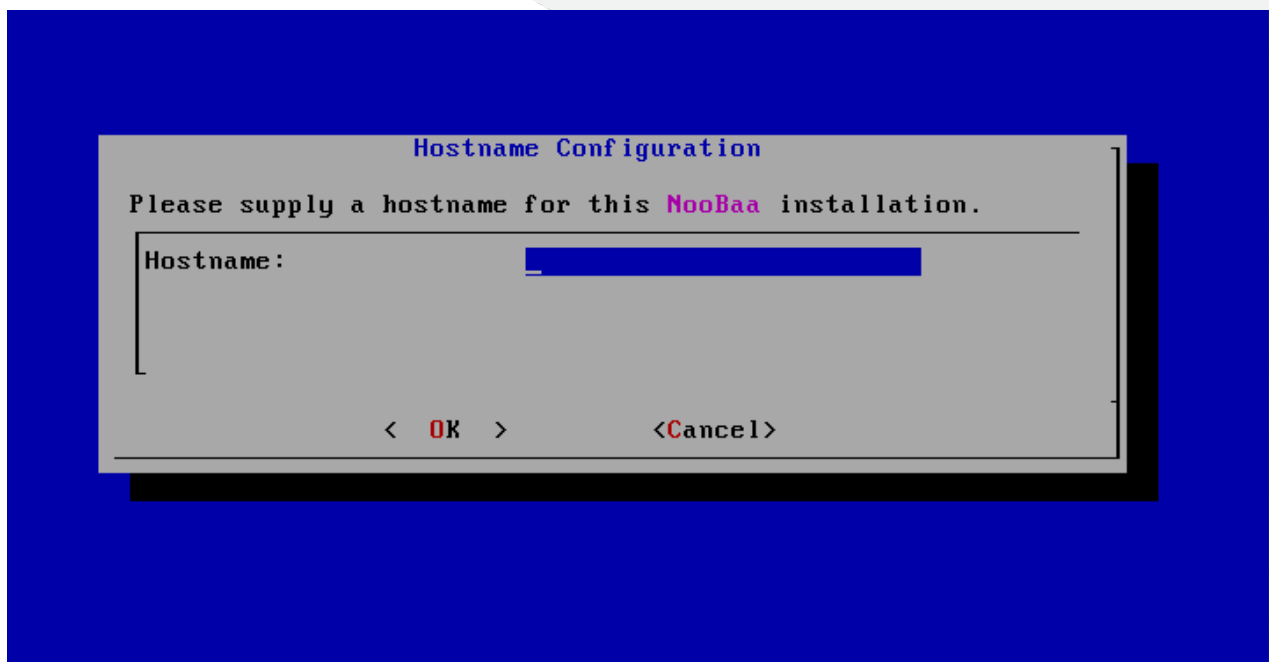
< OK >

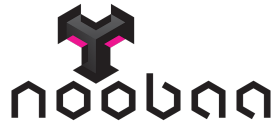


- Enter primary DNS and secondary DNS that the virtual machine will use



- Set the virtual machine host name





- Noobaa is ready to use on <https://YourIpHere:8443>

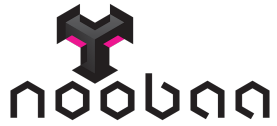
```
NooBaa First Install
```

```
      NooBaa is Ready
```

```
NooBaa was configured and is ready to use. You can
```

```
https://104.155.10.28:8443 to start using your system.
```

```
< OK >
```



Agent installation and distribution

4. Connect to your system via <https://YourIpHere:8443>

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

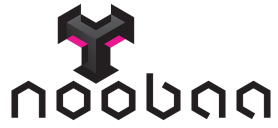
Create Account ×

NAME
NooBaaNooBaa

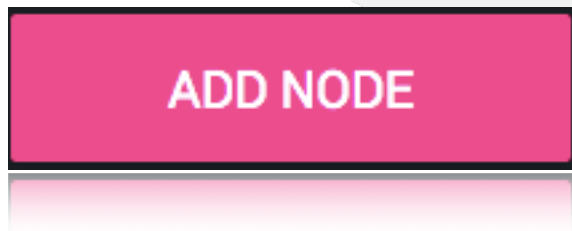
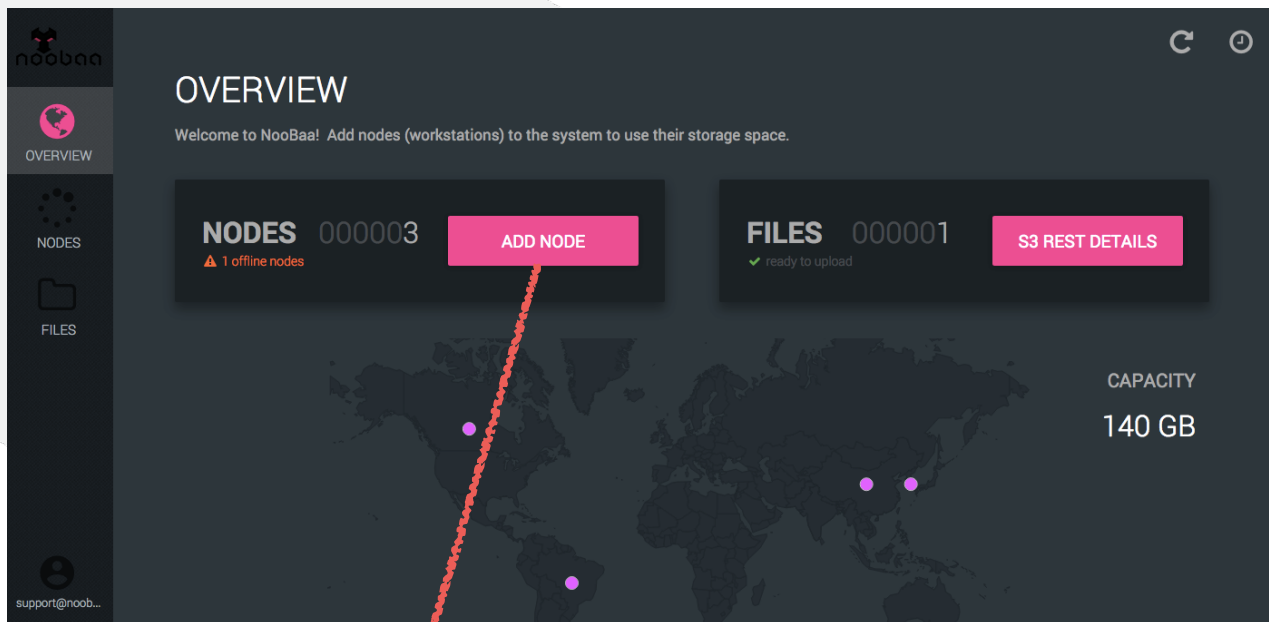
EMAIL
NooBaaMail@Noobaa.com

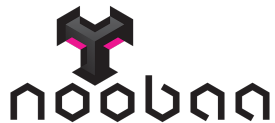
PASSWORD
.....

CREATE



5. Once done, click on “Add node” to add workstation to your system





6. Follow the “Add node” wizard

- [OPTIONAL] Configure DNS entry, that will be used by the nodes in order to connect to NooBaa server. Once done, click on “NEXT”

Add Node ×

DNS Download Run Review

Configure the following entry in your DNS
in order for the nodes to connect to the NooBaa server:

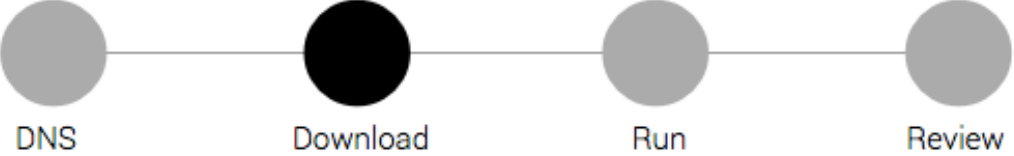
```
104.155.10.28 noobaa.local
```

** this server IP should be available on the network

NEXT

- Download the NooBaa agent installer. Once done click on “NEXT”

Add Node ✕



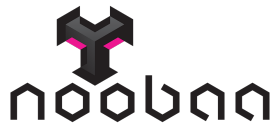
DNS Download Run Review

Download the agent installer

DOWNLOAD

** See next step for running instructions

PREVIOUS **NEXT**



- Choose DNS name or IP for Nodes connectivity to NooBaa server.

Use noobaa.local
✓ Use 104.155.10.28:8443

- As a first step, copy config to clipboard (by clicking on the text box) and install it manually on one windows machine. Simply open CMD window and run the command `noobaa-setup.exe /S config <configuration string>`

Once done, click on “NEXT” and “Go to nodes list” and check that the node appears in the nodes list.

Add Node

DNS Download **Run** Review

Distribute and run the agent installer on the nodes you wish to participate in the network

** Use the following arguments for silent install to this system:

Use 104.155.10.28:8443

```
/S /config eyJkYmRfbG9nX2xldmVsIjoyLCJ0aWVyIjoibm9kZXMiLCJwcm9kIjp0cnVLLCJidWnrZXQiOiJmaWxlcysInJvb3RfcGF0aCI6Ii4vYWdlbnRfc3RvcnFnZS8iLCJhZGRyZXNzIjoId3Nz018vMTA0LjE1NS4xMC4y0Do4NDQzIiwic3lzdGVtIjoizGVtbyIsImFjY2Vzc19rZXkiOiIxMjMiLCJzZW5yZXRfa2V5IjoieWJjIn0=
```


Click to copy to clipboard

PREVIOUS **NEXT**

After checking the node you installed manually, you can distribute the agent with its configuration via any distribution tool to all the nodes you wish to participate in the network.

- To review the new nodes click on “Go to nodes list” or click on “Done” to go back to overview page.

Add Node ✕



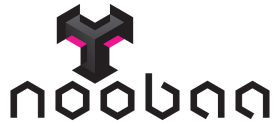
DNS Download Run Review

Review the new nodes

[Go to Nodes List](#)

** New nodes will show up in the list once they are connected

PREVIOUS **DONE**

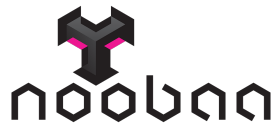


In the nodes list you can find all your nodes and check their status and capacity

The screenshot shows the Noobaa web interface. The left sidebar contains navigation options: OVERVIEW, NODES (selected), and FILES. The main content area is titled 'NODES' and includes a sub-header 'Nodes in this resource pool'. Below this, there is a table with the following data:

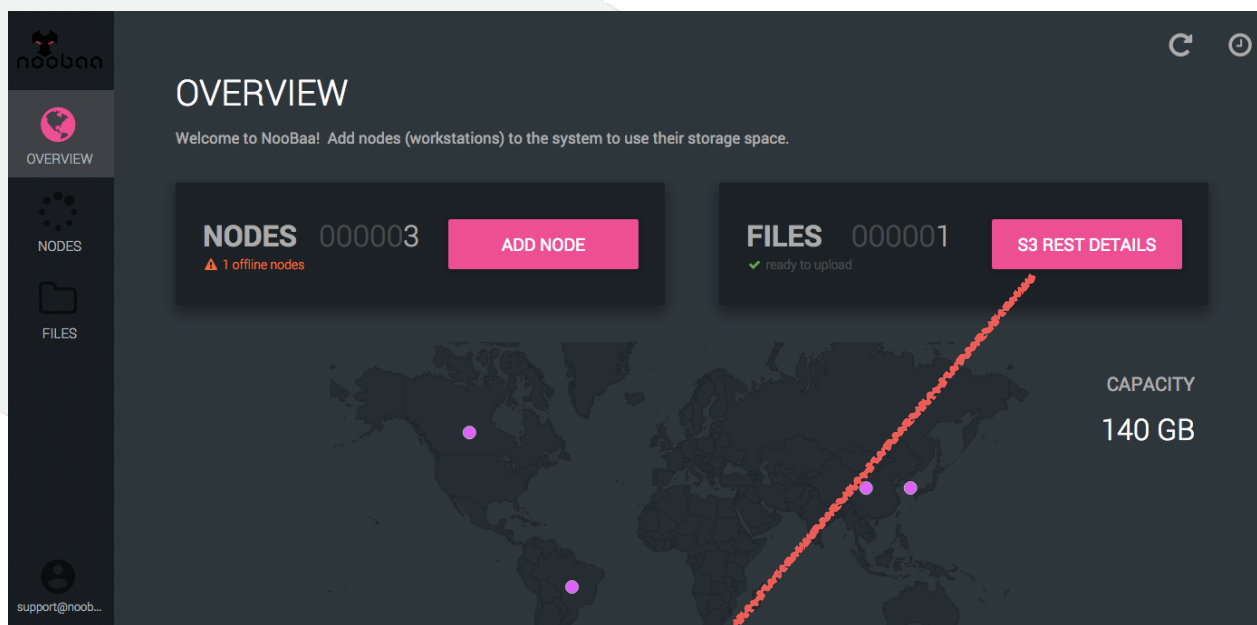
Node Name (click to search)	IP	Raw Storage	Status
IE10Win7-1437042391153	10.128.152.40	0 B	Connected
Redhat-1437031847141	10.240.56.163	14 MB	Connected
Centos-1437031839887	10.240.6.128	14 MB	Offline
Ubuntu-1437031709312	10.240.197.48	14 MB	Offline

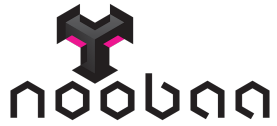
Once you have at least 3 nodes installed in the system, you are ready to upload files



S3 storage client

7. In the overview page, click on s3 rest details button





8. Use the following details for your S3 application

S3 REST Server Information ✕

Use these details for your S3 Application

S3 REST Endpoint:

104.155.10.28

Bucket Name:

files

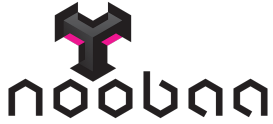
S3 ACCESS KEY:

123

S3 SECRET KEY:

abc

[DOWNLOAD S3 REST PACKAGE](#)



9. setup noobaa rest details in s3 browser

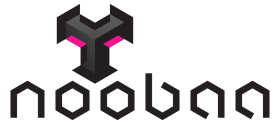
<http://s3browser.com/>

[S3 browser example:]

The screenshot shows a dialog box titled "Add New Account" with a blue header bar. The dialog contains the following fields and options:

- Account Name:** A text input field containing "name". Below it, a note says: "You can assign any name to your account. S3 Browser uses it to distinguish one account from another."
- Storage Type:** A dropdown menu showing "S3 Compatible Storage". Below it, a note says: "Choose the storage you want to work with. Default value is Amazon S3 Storage."
- REST Endpoint:** A text input field containing "104.155.10.28". Below it, a note says: "Specify S3-compatible API endpoint. It can be found in storage documentation. Example: rest.server.com:8080"
- Access Key ID:** A text input field containing "123". Below it, a note says: "Access Key ID can be found here: https://console.aws.amazon.com/iam/home?#security_credential"
- Secret Access Key:** A password input field with three dots. Below it, a note says: "Secret Access Key can be found here: https://console.aws.amazon.com/iam/home?#security_credential"
- Encrypt Access Keys with a password:** An unchecked checkbox. Below it is an empty text input field. A note says: "Turn this option on if you want to protect your Access Keys with a master password."

At the bottom right, there are two buttons: "Add new account" (with a green checkmark icon) and "Cancel" (with a red 'X' icon). At the bottom left, there is a link: [Click here to sign up for Amazon S3.](#)

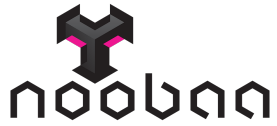


10. Upload a file to check system via S3 browser

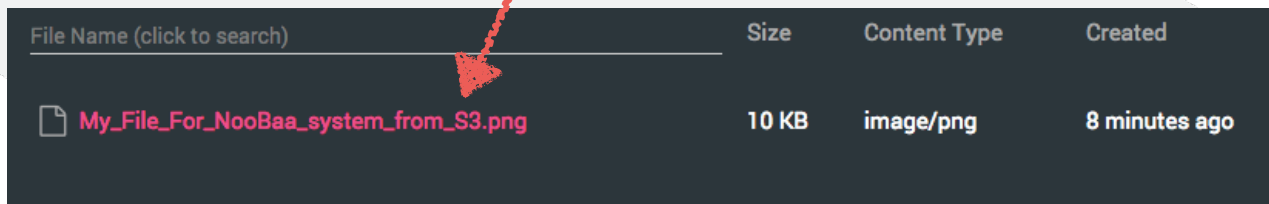
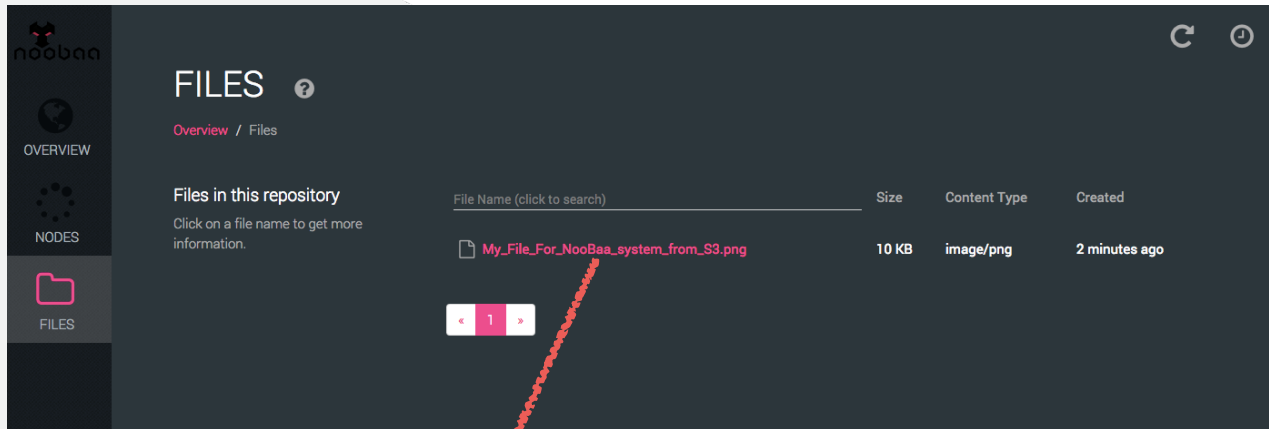
The screenshot shows the S3 browser interface. At the top, there are menu items: Accounts, Buckets, Files, Tools, Upgrade to Pro!, and Help. Below the menu, there is a 'New bucket' button and a 'Path: /' field. On the left, there is a sidebar with a 'files' folder icon. The main area displays a table with the following data:

File	Size	Type	Last Modified	Storage Class
My_File_For_...	10.25 KB	PNG image	7/16/2015 4:07:14 AM	UNKNOWN

Below the table, there is a toolbar with buttons: Upload, Download, Delete, New Folder, and Refresh. A status bar indicates '1 file (10.25 KB)'. At the bottom, there are tabs for Tasks, Permissions, Http Headers, Properties, Preview, Versions, and EventLog. The 'Tasks' tab is active, showing a table with columns: Size, %, Progress, and Status. At the very bottom, there are status indicators: Running, Queued, Stopped, Failed, and a summary 'Σ All'. On the right, there are buttons for Start All, Pause All, and Cancel All.



11. Check if the file you uploaded is in noobaa system at “Files” repository



You are all set and ready to go!