

# Skylar on-prem install

This guide will walk an admin through installing Skylar via Helm into an on-prem cluster.

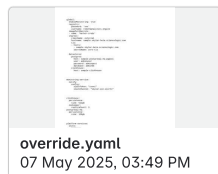
Skylar is fully contained within a single Helm chart with multiple subcharts deploying each service. This means that given a cluster with the correct prerequisites, it can be installed with a single Helm upgrade command.

## The cluster prerequisites:

- Some sort of load balancer solution. Something like F5 or a set of HA proxies with a floating IP. So, traffic can be routed to all of the worker nodes via a single IP.
- Some sort of DNS solution for the floating IP. Ideally, something like external-dns, which can handle record creation automatically.
- Some sort of Certificate solution for the ingress. Ideally, cert-manager is linked to lets-encrypt or the admin can self-manage the cert as secrets.
- Ingress-nginx deployment to handle inbound HTTP requests.
- Kubernetes 1.29+
- Configured StorageClass that can be used to generate PV/PVCs. Size will depend on the tenant DPM, but we recommend around 1TB of overall storage to get started.
- kube-prometheus-stack for cluster monitoring and scaling.

## Skylar Install:

Once the k8s cluster is running, you'll need to configure an override file that specifies the environment-specific configurations. This can be created with the help of Skylar Engineering, but a sample file is provided so admins can get a feel of the switches that can be changed.



Once the override.yaml is configured, Skylar engineering will provide a zip file with the helm charts. Then follow the steps below.

### 1. Add repos:

```
1 helm repo add bitbami https://charts.bitnami.com/bitnami
```

```
2 helm repo add nats https://nats-io.github.io/k8s/helm/charts/
```

## 2. Run the Helm Apply command

```
1 rm -rf Chart.lock
2 helm dependency build
3 helm upgrade --install sample -n sample --create-namespace . -f envs/scaling/small.yaml -f
/path/to/override.yaml
```

## Validate install:

1. Ensure all pods are running.
2. Find the UI ingress and navigate to the URL. Then, login using the default email [skylar@sciencelogic.com](mailto:skylar@sciencelogic.com). After the first login, you'll be prompted to set a password.

```
1 neil.toor@Toor-Neils-MacBook-Pro ~ % kubectl get ingress
2 NAME                                CLASS                                HOSTS                                ADDRESS
3 PORTS      AGE
4 beta3-metadata-snapshot-service    external    skylar3.skylar-beta.sciencelogic.com    k8s-nginx-nginxi
256eba0c5d-b8f4abc20ad2389e.elb.eu-west-1.amazonaws.com    80, 443    105d
5 beta3-sls-api-aiml-policy           external    skylar3.skylar-beta.sciencelogic.com    k8s-nginx-nginxi
256eba0c5d-b8f4abc20ad2389e.elb.eu-west-1.amazonaws.com    80, 443    105d
6 beta3-sls-api-anomaly-alerts        external    skylar3.skylar-beta.sciencelogic.com    k8s-nginx-nginxi
256eba0c5d-b8f4abc20ad2389e.elb.eu-west-1.amazonaws.com    80, 443    105d
7 beta3-vitals-cpu-prediction-api      external    skylar3.skylar-beta.sciencelogic.com    k8s-nginx-nginxi
256eba0c5d-b8f4abc20ad2389e.elb.eu-west-1.amazonaws.com    80, 443    105d
8 clickhouse-ingress                  external    skylar3-ch.skylar-beta.sciencelogic.com    k8s-nginx-nginxi
256eba0c5d-b8f4abc20ad2389e.elb.eu-west-1.amazonaws.com    80, 443    39d
9 hera-ingress                         external    skylar3.skylar-beta.sciencelogic.com    k8s-nginx-nginxi
256eba0c5d-b8f4abc20ad2389e.elb.eu-west-1.amazonaws.com    80, 443    107d
10 ingest                              external    skylar3.skylar-beta.sciencelogic.com    k8s-nginx-nginxi
256eba0c5d-b8f4abc20ad2389e.elb.eu-west-1.amazonaws.com    80, 443    107d
11 reporting-superset                  external    skylar3.skylar-beta.sciencelogic.com    k8s-nginx-nginxi
256eba0c5d-b8f4abc20ad2389e.elb.eu-west-1.amazonaws.com    80, 443    29d
12 skylar-advisor-ingress              external    skylar3.skylar-beta.sciencelogic.com    k8s-nginx-nginxi
256eba0c5d-b8f4abc20ad2389e.elb.eu-west-1.amazonaws.com    80, 443    107d
13 ui-ingress                          external    skylar3.skylar-beta.sciencelogic.com    k8s-nginx-nginxi
256eba0c5d-b8f4abc20ad2389e.elb.eu-west-1.amazonaws.com    80, 443    107d
14 vls-victoria-logs-single-server     external    skylar3-logs.skylar-beta.sciencelogic.com    k8s-nginx-nginxi
256eba0c5d-b8f4abc20ad2389e.elb.eu-west-1.amazonaws.com    80, 443    106d
```

skylar3.skylar-beta.sciencelogic.com/skyar-auth/sign-in

envs extras ycenter aws Sky Over TF Skylar-Helm-Charts MS OS pb comp

skylar<sup>TM</sup>ai

Sign In...

Email

Enable Password Autofill

Click here to allow Cloud Passwords to Autofill your passwords.

Copyright © 2025 ScienceLogic. All rights reserved. [Terms of Service](#)