

# Setting up On-Premise Metrics

## Setting up VictoriaMetrics and Grafana

From the Installer's Integrations page, click "Install" under "Monitoring"

For the provided prom.yml, see the following descriptions of the parameters:

- If you want to write prometheus data to a remote prometheus instance, please define these 4 variables :
  - `remote_write_url` : The URL of the endpoint to which to push remote writes
  - `remote_write_external_labels` : The labels to add to your data, to identify the writes from this cluster
  - `remote_write_username` : The username to use to push the writes
  - `remote_write_password` : The password to use to push the writes
- You can configure which prometheus components you want to deploy :
- `deploy_vmsingle` , `deploy_vmagent` and `deploy_vmoperator` : `true` to deploy VictoriaMetrics
- `deploy_node_exporter` : requires prometheus deployment. Set to `true` to gather data about the k8s nodes.
- `deploy_kube_control_plane_monitoring` : requires prometheus deployment. Set to `true` to gather data about the kube control plane.
- `deploy_kube_state_metrics` : requires prometheus deployment. Set to `true` to gather data about kube metrics.
- `deploy_element_service_monitors` : Set to `true` to create `ServiceMonitor` resources into the K8S cluster. Set it to `true` if you want to monitor your element services stack using prometheus.
- You can choose to deploy grafana on the cluster :
  - `deploy_grafana` : `true`
  - `grafana_fqdn` : The FQDN of the grafana application
  - `grafana_data_path` : `/mnt/data/grafana`
  - `grafana_data_size` : 1G

For the specified `grafana_fqdn` , you will need to provide a crt/key PEM encoded key pair in `~/element-enterprise-server/config/legacy/certs` prior to running the installer. If our hostname were `metrics.airgap.local` , the installer will expect to find `metrics.airgap.local.crt` and `metrics.airgap.local.key` in the `~/element-enterprise-server/config/legacy/certs` directory. If you are using Let's Encrypt, you do not need to add these files.

After running the installer, open the FQDN of Grafana. The initial login user is `admin` and password is the value of `admin_password` . You'll be required to set a new password, please define one secured and keep it in a safe place. ~