



Prometheus Config Mode Command Reference

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prometheus

Configures Prometheus-related parameters.

Command Modes Exec > Global Configuration (config)

Syntax Description `prometheus { scrape-interval scrape_interval | volume volume_size | query-mode query_mode }`

query-mode *query_mode*

Specify the query mode.

Must be one of the following:

- **client**
- **server**

scrape-interval *scrape_interval* *frequency*

Specify the frequency at which Prometheus fetches metrics in seconds.

Must be an integer in the range of 10-900.

Default Value: 10.

volume *volume_size*

Specify the volume size in GB to be used if useVolumeClaims is true.

Must be an integer in the range of 20-1024.

Default Value: 100.

Usage Guidelines Use this command to configure Prometheus-related parameters.

prometheus federation

Configures scraping metrics from other cluster.

Command Modes Exec > Global Configuration (config)

Syntax Description `prometheus federation [subordinates ip_address/host_name]`

subordinates *ip_address/host_name*

Specify the other cluster metrics server in the format *ip_address/host_name*.

Must be a string.

Usage Guidelines Use this command to scrape metrics from other cluster.

prometheus federation exported-query-nodes

Configures the exported query nodes.

Command Modes Exec > Global Configuration (config)

Syntax Description `prometheus federation exported-query-nodes [address ip_address | port port_number]`

address *ip_address*

Specify the IP address.

Must be an IPv4 address.

-Or-

Must be an IPv6 address.

port *port_number*

Specify the port number.

Must be an integer in the range of 0-65535.

Usage Guidelines Use this command to configure the exported query nodes.

prometheus federation remote-cluster-certs

Configures cluster-specific TLS/SSL certificate configuration.

Command Modes Exec > Global Configuration (config)

Syntax Description **remote-cluster-certs** *remote_cluster_name* { **address** *remote_cluster_ip_address* | **ssl-key** *ssl_key_certificate* | **ssl-crt** *ssl crt_certificate* | **ssl-ca** *ssl_certificate_authority* | **alert-rx-port** *port_number*}

address *remote_cluster_ip_address*

Specify the remote cluster's IP address.

Must be an IPv4 address.

-Or-

Must be an IPv6 address.

alert-rx-port *port_number*

Specify the web port number to receive the alerts.

Must be an integer in the range of 8700-8750.

ssl-ca *ssl_certificate_authority*

Specify the SSL certificate authority.

Must be a string.

ssl-crt *ssl crt_certificate*

Specify the SSL certificate.

Must be a string.

ssl-key *ssl_key_certificate*

Specify the SSL Key certificate.

Must be a string.

remote_cluster_name

Specify the remote cluster's name.

Must be a string.

Usage Guidelines Use this command to configure cluster-specific TLS/SSL certificate configuration.

You can configure a maximum of 10 elements with this command.

prometheus kvm-metrics defaults

Configures default values used by all connections.

Command Modes Exec > Global Configuration (config)

Syntax Description `kvm-metrics defaults private-key default_private_key user default_user`

private-key default_private_key

Specify the default private key for connections.

Must be a string.

user default_user

Specify the default user for connections.

Must be a string.

Usage Guidelines Use this command to enable monitoring of KVM-only machines, and to configure default values used by all connections.

prometheus kvm-metrics monitor-server

Configures monitor server targets.

Command Modes Exec > Global Configuration (config)

Syntax Description `kvm-metrics monitor-server { address ip_address | hostname host_name | user user | private-key private_key }`

address ip_address

Specify the IP address to monitor.

Must be an IPv4 address.

-Or-

Must be an IPv6 address.

hostname host_name

Specify the host name.

Must be a string.

private-key private_key

Specify the private key for connections.

Must be a string.

user *user*

Specify the user for connections.

Must be a string.

Usage Guidelines

Use this command to enable monitoring of KVM-only machines, and configure monitor server targets.

prometheus recording-rules group

Configures Prometheus record rule group.

Command Modes

Exec > Global Configuration (config)

Syntax Description

```
prometheus recording-rules group record_rule_group_name { interval-seconds  
evaluation_interval}
```

interval-seconds *evaluation_interval*

Specify the evaluation interval of the rule group in seconds.

Must be an integer.

record_rule_group_name

Specify name of the record rule group.

Must be a string.

Usage Guidelines

Use this command to configure Prometheus record rule group.

prometheus recording-rules group rule

Configures record rule definition.

Command Modes

Exec > Global Configuration (config)

Syntax Description

```
prometheus recording-rules group record_rule_group_name rule record_name {  
expression rule_expression}
```

expression *rule_expression*

Specify PromQL record rule expression.

Must be a string.

record *record_name*

Specify the record name.

Must be a string.

Usage Guidelines Use this command to configure record rule definition.

prometheus recording-rules group rule label

Configures labels to attach to the record rule time series.

Command Modes Exec > Global Configuration (config)

Syntax Description `prometheus recording-rules group record_rule_group_name rule record_name { label_label_name value label_value}`

value label_value

Specify the label value.

Must be a string.

label_name

Specify the label name.

Must be a string.

Usage Guidelines Use this command to configure labels to attach to the record rule time series.

prometheus server-settings

Configures local cluster settings to enable scraping from remote manager.

Command Modes Exec > Global Configuration (config)

Syntax Description `server-settings { external-ip ip_address | ssl-key ssl_key_certificate | ssl-crt ssl_cert_certificate | ssl-ca ssl_certificate_authority}`

external-ip ip_address

Specify the external IP address to expose this cluster to remote manager.

Must be an IPv4 address.

-Or-

Must be an IPv6 address.

ssl-ca ssl_certificate_authority

Specify the SSL certificate authority.

Must be a string.

ssl-crt ssl_cert_certificate

Specify the SSL CRT certificate.

Must be a string.

ssl-key *ssl_key_certificate*

Specify the SSL key certificate.

Must be a string.

Usage Guidelines

Use this command to configure local cluster settings to enable scraping from remote manager.

