HTTP FRONTENDS

Contents

The Ceph Object Gateway supports two embedded HTTP frontend libraries that can be configured with `rgw_frontends`.

BEAST

New in version Mimic.

The `beast` frontend uses the Boost.Beast library for HTTP parsing and the Boost.Asio library for asynchronous network i/o.

OPTIONS

`port`

Description:	Sets the listening port number. Can be specified multiple times as in `port=80 port=8000`.
Type:	Integer
Default:	80

`endpoint`

Description:	Sets the listening address in the form `address[:port]`, where the address is an IPv4 address string in dotted decimal form, or an IPv6 address in hexadecimal notation. The optional port defaults to 80. Can be specified multiple times as in `endpoint=::1 endpoint=192.168.0.100:8000`.
Type:	Integer
Default:	None

CIVETWEB

New in version Firefly.

The `civetweb` frontend uses the Civetweb HTTP library, which is a fork of Mongoose.

OPTIONS

`port`

Description:	Sets the listening port number. For SSL-enabled ports, add an s suffix like 443s. To bind a specific IPv4 or IPv6 address, use the form `address:port`. Multiple endpoints can either be separated by + as in `127.0.0.1:8000+443s`, or by providing multiple options as in `port=8000 port=443s`.
Type:	String
Default:	7480

`num_threads`

Description:	Sets the number of threads spawned by Civetweb to handle incoming HTTP connections. This effectively limits the number of concurrent connections that the frontend can service.
Type:	Integer
Default:	`rgw_thread_pool_size`

`request_timeout_ms`

Description: The amount of time in milliseconds that Civetweb will wait for more incoming data before giving up.
Type: Integer
Default: 30000

`ssl_certificate`

Description: Path to the SSL certificate file used for SSL-enabled ports.
Type: String
Default: None

A complete list of supported options can be found in the Civetweb User Manual.

GENERIC OPTIONS

Some frontend options are generic and supported by all frontends:

`prefix`

Description: A prefix string that is inserted into the URI of all requests. For example, a swift-only frontend could supply a uri prefix of `/swift`.
Type: String
Default: None