

# HTTP\_MCP

As already documented above, this is the *Controller* (aka *Listener*) that the OECGI immediately calls when it receives an HTTP request. It is a replacement to [RUN\\_OECGI\\_REQUEST](#) but it is designed primarily to manage REST APIs. [HTTP\\_MCP](#) is a relatively small routine which fits into the SRP philosophy that controllers should be as thin as possible. The basic workflow of [HTTP\\_MCP](#) is as follows:

- Call [HTTP\\_Services](#) so the HTTP request information is parsed and saved in memory for easy retrieval by API logic.
- Call [HTTP\\_Services](#) to log the HTTP request.
- Call [HTTP\\_Authentication\\_Services](#) to validate access to the API server.
- Call the API handler for the endpoint (if authorized to do so).
- Call [HTTP\\_Services](#) to get the HTTP response in a proper format that OECGI will accept.
- Call [HTTP\\_Services](#) to log the HTTP response.
- Call [HTTP\\_Services](#) and [HTTP\\_Authentication\\_Services](#) to perform various clean-up and clearing processes to prevent future HTTP requests handled by the same OpenEngine from using stale or unauthorized data.
- Return the HTTP response to the OECGI.