

3.x - 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 [3.x - HTTP_Services](#) so the HTTP request information is parsed and saved in memory for easy retrieval by API logic.
- Call [3.x - HTTP_Authentication_Services](#) to validate access to the *entry point* service.
- Call the *entry point* service (if authorized to do so).
- Call [3.x - HTTP_Services](#) to get the HTTP response in a proper format that OECGI will accept.
- Capture the HTTP request and HTTP response content and store these in individual OS files in a designated folder for off-line review.
- Call [3.x - HTTP_Services](#) and [3.x - 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.