

Handling Accept-Encoding Header

Use Case:

Accept-Encoding header defines the Compression behavior in between HTTP endpoints. If you want the backend server NOT to compress the responses then you must remove the Accept-Encoding header. While you remove the header, need to take care of the whitespaces around it as well.

F5 iRules:

```
when HTTP_REQUEST {

    # Prevent server compression
    HTTP::header remove "Accept-Encoding"

    # Disable the stream filter by default
    STREAM::disable
}

when HTTP_RESPONSE {

    # Check if server response is text based
    if { [HTTP::header Content-Type] contains "text" }{

        # Set the stream expression to match two or more consecutive whites
pace characters
        # Replace them with a single space
        STREAM::expression @"\s+@ @}
        STREAM::enable
    }
}
```

NetScaler Solution:

```
add rewrite action act_header_remove DELETE_HTTP_HEADER Accept-Encoding
add rewrite policy new_policy HTTP.REQ.IS_VALID act_header_remove
bind rewrite global new_policy 1 -type req_default

add rewrite action replace_action replace_all
"HTTP.RES.BODY(HTTP.RES.CONTENT_LENGTH)" "" "" -search regex(re/\s+/)

add rewrite policy replace_policy HTTP.RES.HEADER("Content-
Type").SET_TEXT_MODE(IGNORECASE).CONTAINS("text") replace_action
bind rewrite global replace_policy 1 -type res_default
```

Here while NetScaler is removing the Accept-Encoding header, it is also taking care of removing the white spaces.