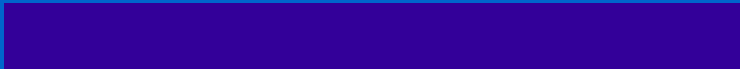


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URL und HTTP



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HTTP Anfrage

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HTTP Response

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BNF für URL (RFC 1738)

genericurl =scheme:schemepart
scheme =http|ftp|file|news|nntp|telnet|
 gopher|wais|mailto|prospero|*xchar
schemepart ="/" login ["/" urlpath]
login =[user [":" password] "@"] hostport
hostport =host [":" port]
grouppart ="*" | group | article
ftputl = "ftp://" login ["/" fpath [";"type=" ftptype]]
httpurl = "http://" hostport ["/" hpath ["?" search]]
fileurl = "file://" [host |"localhost"] "/" fpath
newsurl = "news:" grouppart
nntpurl = "nntp://" hostport "/" group ["/" digits]

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Beispiele für URL/URI

- <http://zito.uni-muenster.de:2232/x/y?z>
- <ftp://user:pass@ftp.uni-muenster.de/v>
- news://*
- <nntp://news.uni-muenster.de/wwu.test>

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BNF für Request/Response (RFC 2616)

Request =Request-Line
*((general_header|request_header) CRLF))
CRLF
[message-body]

Request-Line =Method " " URI " " HTTP-Version CRLF

Method ="GET"|"OPTIONS"|"HEAD"|"POST"|"PUT"|"DELETE"|"TRACE"|"CONNECT"|...

Response =Status-Line
*((general_header|response_header)CRLF)
CRLF
[message-body]

Status-Line =HTTP-Vers " " Status-Code " " Reason CRLF

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Beispiel für Request

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Beispiel für Response

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Allgemeine Header-Felder

```
general_header      =general_header_token ":" *xchar
general_header_token = "Cache-Control"
                    | "Connection"
                    | "Date"
                    | "Pragma"
                    | "Trailer"
                    | "Transfer-Encoding"
                    | "Upgrade"
                    | "Via"
                    | "Warning"
```

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Request Header

Req_header_token = "Accept"
| "Accept-Charset" | "Accept-Encoding"
| "Accept-Language"
| "Authorization"
| "Expect"
| "From"
| "Host"
| "If-Modified-Since"
| "Range"
| "Referer"
| "User-Agent"
| "TE"

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Cookies (RFC 2109)

```
Set_cookie      ="set_cookie:" *cookie
cookie         =Name "=" Value *[:,cookie-av]
cookie-av      ="comment=" value
               | "Domain=" value
               | "Max-Age=" value
               | "Path=" value
               | "Secure"
               | "Version=" 1*digit
Send_cookie    ="Cookie:" cookie-version *(";"|",")cookie-value
cookie-value  =Name "=" Value [";" path] [";" domain]
cookie-version="$Version="Value
path="$PATH=" value
domain="$Domain=" value
```