

FQDN ermitteln

mit folgendem Snippet ist es möglich den FQDN eines SAP-Systems zur Laufzeit zu ermitteln. Diese Information ist für diejenigen wichtig, die BSPs o.ä. dynamisch rufen wollen. Sollte das SAP nicht mit FQDN parametrisiert sein, wird statt dessen die IP-Adresse verwendet.

Am Ende steht in der Variablen GV_URL entweder FQDN + PORT oder IP + PORT.

```
TYPES: BEGIN OF kernel_version,  
    key   TYPE c LENGTH 21,  
    data  TYPE c LENGTH 69,  
END OF kernel_version.
```

*- global object declaration

DATA:

```
gr_client    TYPE REF TO if_http_client,  
gt_html      TYPE w3htmltab,  
gv_url       TYPE string,  
gt_server    TYPE STANDARD TABLE OF msxxlist,  
gs_server    TYPE msxxlist,  
gv_hostname  TYPE string,  
gv_portnumber TYPE string,  
gv_val       TYPE slic_sysid,  
gt_kernel_version TYPE STANDARD TABLE OF kernel_version,  
gw_kernel_version TYPE kernel_version.
```

INITIALIZATION.

*— get all servers

```
CALL FUNCTION ,TH_SERVER_LIST'  
TABLES  
    list          = gt_server  
EXCEPTIONS  
    no_server_list = 1  
    OTHERS         = 2
```

LOOP AT gt_server[] INTO gs_server.

* — read http data ————

```
CALL FUNCTION ,TH_GET_VIRT_HOST_DATA'  
DESTINATION gs_server-name  
EXPORTING  
    protocol = 1  
IMPORTING  
    hostname = gv_hostname  
    port     = gv_portnumber
```

```

EXCEPTIONS
  not_found      = 1
  internal_error = 2
  OTHERS        = 3.
CASE sy-subrc.
  WHEN 0.
*    -- read SYSID -----
    CALL FUNCTION ,SLIC_GET_SYSTEM_ID'
      IMPORTING
        systemid = gv_val.
*    -- read all core data ---
    CALL ,SAPCORE' ID ,ID' FIELD ,VERSION'
      ID ,TABLE' FIELD gt_kernel_version[].
*    -- read ip-address ----
    READ TABLE gt_kernel_version[] INTO gw_kernel_version
      WITH KEY key = ,IP address'.
    IF gv_hostname CS ,.'.
*    -- hostname is FQDN ----
      gv_url = gv_hostname.
      CONCATENATE ,http://' gv_url ,: ' gv_portnumber INTO gv_url.
    ELSE.
*    -- hostname is not FQDN --
      gv_url = gw_kernel_version-data.
      CONCATENATE ,http://' gv_url ,: ' gv_portnumber INTO gv_url.
    ENDIF.
  WHEN 1.
*    raise NOT_AUTHORIZED.
  WHEN 2.
*    RAISE no_valid_date.
  WHEN 3.
  WHEN 4.
ENDCASE.      " sy-subrc
ENDLOOP.     " AT gt_server[]

```