

How can I learn about XML in ChangeMan ZMF?

- [<CMN/ZMF Classroom Training>](#)

Probably (some say "definitely" ...) the best way to learn about XML services in ChangeMan ZMF is to attend [some of the training classes about XML services in ChangeMan ZMF](#), offered by AbitMORE.

As an alternative (even better: on top of that ...), consider using [AbitMORE SCM Commander](#) (ASC for short) to help you explore the XML universe! Because the major challenge in learning (and building experience) about XML in ChangeMan ZMF is to learn about:

- A few hundreds of available XML services (compare to learning about an API, where all together you have a few hundreds of API functions available).
- Over thousand of "request tags" (compares to input parameters for a function call).
- Over thousand of "result tags" (compares to outputs returned by a function call).

So do the math: how many possible combinations do you get if you have a few hundreds of functions, with over thousand input parameters, and over thousand output parameters? No human being can possibly remember them all ... Here is just 1 sample to illustrate this, the set of XML services that have "promotionlevel" as an output tag:

```
ASC1 - AbitMORE® SCM Commander 1.3.1 ----- Row 1 from 15
Home    > byResult
Command =>                                     Scroll => CSR

Execute  : EX execute xml service
View     : VI view request tags   VO view result tags   VC view cobol copybook
Generate : GA AbM XML Framework   GS Serxmlrc code     GX Serxmlbc XMLIN
Compare  : CC Compare tags between releases

Flt= * _____ * _____ * _____ * _____ * _____

Cmd  Service      Scope      Message      Color      Copybook      Category
---  -
COMPONENT HISTORY   LIST        GREEN        XMLCCHIS     CMP
COMPONENT HISTORY   LISTCONC    GREEN        XMLCCHIS     CMP
COMPONENT HISTORY   LISTCURR    GREEN        XMLCCHIS     CMP
COMPONENT HISTORY   LISTSHRT    GREEN        XMLCCHIS     CMP
COMPONENT PRM_HIST  LIST        GREEN        XMLCPPCH     CMP
COMPONENT SSV_VER   LIST        GREEN        XMLCPSSV     CMP
COMPONENT SSV_VER   RETRIEVE    GREEN        XMLCPSSV     CMP
PACKAGE PRM_CMP     LIST        GREEN        XMLCPPRC     PKG
PACKAGE PRM_HIST    LIST        GREEN        XMLCPPRH     PKG
PACKAGE PRM_OVLY    LIST        GREEN        XMLCPPRO     PKG
PROMLIB LIBRARY      LIST        GREEN        XMLCPRLN     APL
PROMLIB SITE         LIST        GREEN        XMLCPRS     APL
RLSMAPPL PROMOTE     LIST        GREEN        XMLCRPRM     ERO
RLSMAREA HST          LIST        GREEN        XMLCRHST     ERO
RLSMRLSE HST          LIST        GREEN        XMLCRLHT     ERO

***** Bottom of data *****
```

That is also why AbitMORE uses ASC (and not XMLSERV ...) to [teach about XML services in ChangeMan ZMF](#) (e.g. about SERXMLBC, SERXMLRC, SERXMLCC, and even SERXMLAC). What is more, some of the existing www.AbitMORE-SCM.com

ASC customers even didn't install XMLSERV anymore ... go figure!

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