

# About References and Placeholders

Dynamic configurations that automatically adapt to every end-user's IBM Notes client are a basic requirement for flexible and scalable management of IBM Notes/Domino environments.

Two examples:

- Adding the public names and address book to the workspace of every end user:  
Without a dynamic configuration, one MarvelClient Action would have to be created for each and every mail server. Using a dynamic configuration, it is just one Action that automatically adapts to every end-user's mail server according to the current location of each user.
- Backing up client data to a network drive into a sub-directory "operation system username" – here, too, a variable is needed.

To fulfill such requirements, MarvelClient provides so called **References** and **Placeholders**:



**References** can be used universally in virtually any Action and Condition in the Configuration database and are resolved *PRIOR TO THE EXECUTION* of an Action.

**NOTE** that if resolving a reference fails, the respective Action and any Action referencing this Action will **NOT** be executed. Also note that ini: and env: references never fail but return an empty string ("" without quotes) if a variable is not set.

Examples for References	
<notes:um_server>	Resolves the user's home/mail server via NameLookup (fallback = mailserver in current location) when executing an Action or resolving a Condition
<notes:version_major>	Resolves the major version of the Notes client, e.g. 6, 7, 8, 9 or 10.
<ini:Location>	Resolves the notes.ini variable "Location"
<env:Computername>	Resolves the operating system environment variable "Computername"



**Placeholders** are primarily used for generic notes.ini variables (e.g. MC\_DB=%notes\_homeserver%!!panagenda\panagenda.nsf) and for a handful of special Actions in the Configuration database (e.g. Backup, Roaming, and Location Actions).

Placeholders are replaced when reading a corresponding notes.ini entry, respectively *DURING THE EXECUTION* of an Action. **NOTE** that if resolving a placeholder fails, the respective Action is still executed.

Examples for Placeholders	
%notes_homeserver%	Used to generically point each user to her/his respective mail server for the MarvelClient Configuration database in notes.ini, e.g. MC_DB=%notes_homeserver%!!panagenda\panagenda.nsf
%LOOKUP_MAILFILE%	Used to lookup a user's mailfile path in the public addressbook

## Topics

- [References - Namespaces](#)
- [References - Syntax](#)
- [References in References](#)
- [Special References to Desktop Icon Actions](#)
- [Placeholders](#)