The Local MarvelClient File

> **HCL, IBM and Lotus**
>
> Where it says HCL, MarvelClient also runs on IBM Notes and Lotus Notes

The local MarvelClient file (for MarvelClient Essentials: pmc.dll on Windows and libpmc.dylib on Mac, for a licensed MarvelClient: mc.dll on Windows and libmarvelclient.dylib on Mac) is deployed into either the HCL Notes program or data directory and activated on clients with one additional entry in notes.ini (EXTMGR_ADDINS=, see below).

> **panagenda MarvelClient is fully integrated into the HCL Nomad app (starting with version 1.0.4) so no local MarvelClient file is required for Nomad.**

For architectural reasons, on Citrix it is highly recommended to deploy the local MarvelClient file into the Notes program directory.

The MarvelClient file auto-adapts to the respective end-user's Notes release, install type and language – from Notes 6 to including 12, for Basic and Standard (=Eclipse) Notes clients, CAA (HCL/IBM Client Application Access), local and network-drive based, single-, multi-user-, roaming- and non-roaming-installations – meaning that one single file covers all possible Notes client types and configurations.

Integration with HCL Notes

MarvelClient is entirely based on the security architecture of HCL Notes and Domino.

The integration with HCL Notes is based on the so called extension manager service, a specific form of integration into the HCL Notes/Domino platform (for further details see: http://tinyurl.com/ax98ylc).
Extension managers are widely used for a great many different topics in the HCL Notes/Domino world, such as (on both Domino servers, as well as Notes clients):

- Virus scanners,
- Fax extensions, or
- Automatic attachment (de)compression

In principle an extension manager is a (.dll/.so/.dylib) file written in C (++), which makes use of an integration mechanism into Notes/Domino provided by HCL.
Upon starting the Notes client, each extension manager add-in is loaded, which again registers itself for a variety of subsequent events in HCL Notes (such for when attachments are being opened or saved, or the successful login of an end-user, depending on type of addin) as to be called again by HCL Notes upon each such subsequent event.

panagenda MarvelClient integrates itself into HCL Notes at several such events – depending on licensed and used feature set. For a detailed description also see About Runtypes.