

 **DynConD iOS framework implementation guide**

- Download the DynConD iOS framework from <http://dyncond.com/downloads/>
- For both, new or existing Xcode projects, extract the DynConD iOS framework into the project folder
- Open the project editor in the project navigator, select *Target* and click on the + sign in *Frameworks, Libraries and Embedded Content*. In the *Framework* search window, click on *Add Other* -> *Add Files* and select ***DynConD.xcframework***
- By clicking on the *Open* button, ***DynConD.xcframework*** will be included into the project and will be visible in *Frameworks, Libraries and Embedded Content*. On the right side of the included framework select *Embed & Sign* option, if it's not already marked
- For a successful call of DynConD's ***dyncondgetaddrinfo*** function, *import DynConD* statement must be placed into the controller (*ViewController*)
- Calling the DynConD's ***dyncondgetaddrinfo*** function:

```
let status = DynConDGAI().dyncondgetaddrinfo(...)
```

- DynConD's ***dyncondgetaddrinfo*** function is a replacement for the standard *getaddrinfo* function and has the same parameters, results and error codes as *getaddrinfo* function. If no IP address is returned by the *dyncondgetaddrinfo* function, the standard non DynConD DNS A/AAAA resolving can be used
- DynConD's ***dyncondgetaddrinfo*** function by default uses local iOS host DNS resolvers. By using the ***dyncondgetaddrinfo*** function with a defined *service* value of "100", authoritative DynConD DNS servers (ADNS) are used instead of local iOS host DNS resolvers. This way, the real-time DSS parameters are obtained from servers, avoiding using cached values in the process whose accuracy depends on the TTL value of the TXT RRs. If no IP address is returned when using the ADNS query, the ***dyncondgetaddrinfo*** function automatically performs a standard recursive DNS query after the Timeout period defined in TXT RR