SSL and Encryption

LiveCode includes support for using Secure Sockets Layer and the https protocol. It also includes an industrial strength encryption library you can use to encrypt files or data transmissions.

Encrypting and Decrypting Data

To encrypt data, use the **encrypt** command. The **encrypt** command supports a wide variety of industry standard methods of encryption.

The list of installed methods can be retrieved by using the **cipherNames** function.

To decrypt data, use the **decrypt** command. For more information on these features, see the *LiveCode Dictionary*.

Tip: If you are using the encryption library on a Windows system, it is possible that another application will have installed DLLs that use the same name as the ones included with LiveCode to support encryption.

You can force your application to load LiveCode's SSL DLLs by setting the $PATH environment variable before loading the library.

```
put $PATH into tOldPath
put <path to SSL DLLs> into $PATH
get the cipherNames -- Force loading of the SSL DLLs
put tOldPath into $PATH
```

Connecting using HTTPS

You may connect and download data from a URL using **https** in the same way that you access an http URL.

```
put URL "https://www.example.com/store.php"
```

If there is an error, it will be placed into `the result`. If you need to include a user name and password you can do so in the following form:
https://user:password@www.example.com/

Implementing your own secure protocols

To implement your own secure protocol, use the **open secure socket** variant of the **open socket** command.

You can specify whether or not to include certification, a certificate and a key. For more information on the **open socket** command, see the *LiveCode Dictionary*.