### See also Shared Secrets

As of 2014-07-29, this is a tool for developers only. You need to write code for the external system to access the information. See developer documentation at User Encryption. The system is designed so that encryption can later be implemented for data in Tiki (files, tracker items, etc.)

### **User Encryption**

User encryption aims to a provide secure, personal storage of sensitive data, e.g. external usernames and passwords.

# **About User Encryption**

When linking multiple systems together, it is often required to have a username and a password for the target system available, in order to login. The other system can be an external database, a web service, etc.

User Encryption enables secure storage of such external log-in credentials. <u>The decryption key is **not** stored by Tiki</u>, and it is only available when the user is logged in.

#### Notes:

- This is a new an experimental feature in Tiki 13 and has been backported for Tiki 12.2, so it is available (as experimental) in the LTS version
- Use the Domain Password module to allow the user to specify username and password
- CryptLib must be integrated by coding to access the domain. CryptLib provides the decrypted domain credentials

See also User Encryption.

### **Password Domains**

Each linked system makes up a "password domain". Multiple users can log in to a domain. A password domain has a name. The name must be unique.

The interface to a linked system, uses the password domain name to look-up a user's credentials for the system.

The module "Domain Password", prompts the user for a password.

The password is encrypted and saved associated with the domain specified in the module.

### Configuring Password domains

Configure in the Admin / Security panel.



The names of the password domains must be unique.

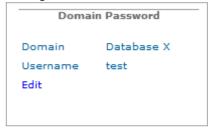
# Specifying domain credentials

The module "Domain Password" allows users to specify a password (and possibly a username) for a domain. Only defined password domains can be specified.

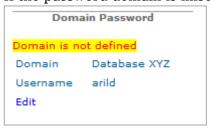


By default the currently logged in Tiki username will be used. By setting "Use current user" = "n", the user must also specify a username.

The view mode is displayed initially. The user can choose to edit the credentials, if the module configuration allows it.



If the password domain is misconfigured, an error message is displayed.



If the user click edit, the credentials can be edited.

If the current Tiki user is being used, only the password can be edited.



# Code integration

See User Encryption @ dev.tiki.org