

35.12. `nis` — Interface to Sun's NIS (Yellow Pages)

The `nis` module gives a thin wrapper around the NIS library, useful for central administration of several hosts.

Because NIS exists only on Unix systems, this module is only available for Unix.

The `nis` module defines the following functions:

`nis.match(key, mapname, domain=default_domain)`

Return the match for *key* in map *mapname*, or raise an error (`nis.error`) if there is none. Both should be strings, *key* is 8-bit clean. Return value is an arbitrary array of bytes (may contain NULL and other joys).

Note that *mapname* is first checked if it is an alias to another name.

The *domain* argument allows overriding the NIS domain used for the lookup. If unspecified, lookup is in the default NIS domain.

`nis.cat(mapname, domain=default_domain)`

Return a dictionary mapping *key* to *value* such that `match(key, mapname) == value`. Note that both keys and values of the dictionary are arbitrary arrays of bytes.

Note that *mapname* is first checked if it is an alias to another name.

The *domain* argument allows overriding the NIS domain used for the lookup. If unspecified, lookup is in the default NIS domain.

`nis.maps(domain=default_domain)`

Return a list of all valid maps.

The *domain* argument allows overriding the NIS domain used for the lookup. If unspecified, lookup is in the default NIS domain.

`nis.get_default_domain()`

Return the system default NIS domain.

The `nis` module defines the following exception:

exception `nis.error`

An error raised when a NIS function returns an error code.