LMX_GetSystemClockTime

Note that the LMX_GetSystemClockTime API call was introduced in LM-X v4.9.20. This API call is not available in previous releases of LM-X.

The LMX_GetSystemClockTime function returns the system time and performs a system clock check based on a checked out feature.

Prototype

```
LMX_STATUS LMX_GetSystemClockTime
(
    LMX_HANDLE LmxHandle,
    const char *szFeatureName,
    time_t *pTime
);
```

Parameters

LmxHandle
[in] LM-X handle.

szFeatureName
[in] Feature name.

pTime
[out] Address of time_t variable.

Return values

On success, this function returns the status code LMX_SUCCESS.

On failure, this function returns an error code in the format described in Return codes.

Remarks

This function validates the system clock time based on a checked out feature, providing a safe way to determine whether a user has changed the time on their system. The system clock check type depends on the feature, as detailed in SYSTEMCLOCKCHECK.

Note that the internet clock check will allow a difference of ±24 hours when checking the system clock time.

Example

The following code shows an example of using this API call.

```
time_t Time;
LMX_STATUS LmxStat = LMX_GetSystemClockTime(LmxHandle, "feature", &Time);
if (LmxStatus == LMX_BAD_SYSTEMCLOCK)
  printf("System clock has been changed!\n");
```