Onevinn Lock screen watermark

Lost your password?

1. Contact @josch62
2. Wait for text message
3. Use your new password

1. CONTENT

2. VERSION

Version	Author	Date	Remark
1.0	Johan Schrewelius	2019-06-23	Document created
1.1	Johan Schrewelius	2019-06-29	Remote image folder, positioning

3. DESCRIPTION AND REQUIREMENTS

Onevinn Lock screen watermark (**LSWatermark**) is designed to show one, or a continues series of, pictures on the Windows 10 lock screen. The application window itself is transparent. **The application requires DotNet 4.6.2 or higher**.

4. LIMITATIONS

For security reasons all active content is "forbidden", the application has been deliberately limited to accept .png and .jpg files only as there is no known (to the author) way of including for example a hyperlink into these standard raster pictures. This is of outmost importance as the application will (must) run in System context.

5. INSTALLATION

5.1. Adding images

LSWatermark is packaged as a single msi accompanied by an image folder.
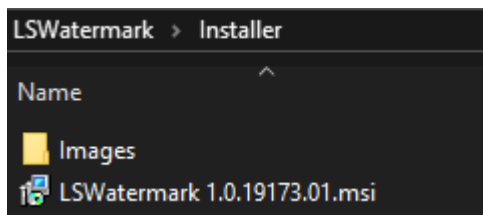
The "Images" folder should always contain a minimum of one png/jpg file or language specific subfolders, each with at least one file.

In other words; if you only support one language you can put you image(s) directly in the images root folder. If you must support multiple languages, you will have to create subfolder like:
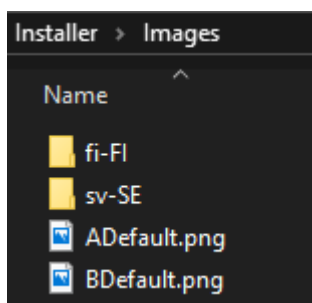
The pictures will be loaded and shown in alphabetical order. If a language folder is missing the root images will serve as fallback.

5.2.   Remote image folder

LSWatermark supports retrieving images from a shared network folder. Specify the location path during installation using the [REMOTEIMAGEFOLDER] property which can be sett either on the command line or by invoking an mst transform. The remote folder structure should be organized exactly as the local "Images" folder with regards to language folders.

You need to delegate the computer account permissions to read from the share. The recommended way is to use the built-in domain group "Domain Computers".

5.3.   Installation

Command (silent):

msiexec /I "LSWatermark 1.0.19180.02.msi" SIZE=45 IMAGEDURATION=60 REMOTEIMAGEFOLDER="\\Server.domain.com\images$" /qn

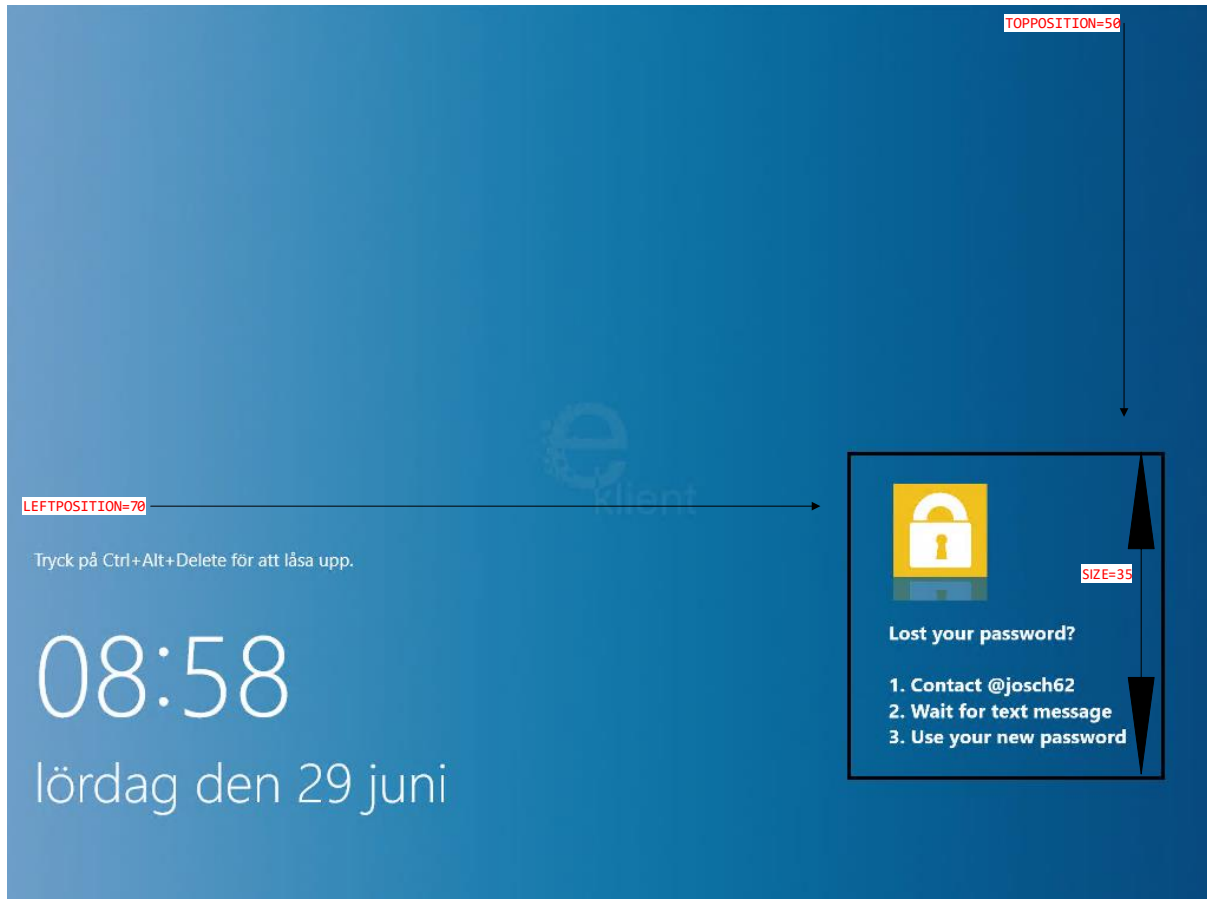## 5.4.   properties

The msi accept five (5) properties:

Name	Explanation	Default
SIZE	The height of the picture in percentage of screen height.	35
IMAGEDURATION	How long (seconds) a picture should be shown before switching to the next.	30
TOPPOSITION	Distance (percentage) from top	2
LEFTPOSITION	Distance (percentage) from left	2
REMOTEIMAGEFOLDER	Shared folder for images (**\\server.domain.com\images$**)	

The **width** of the picture will be automatically adjusted according to **SIZE** and the original file, preserving the X/Y ratio.
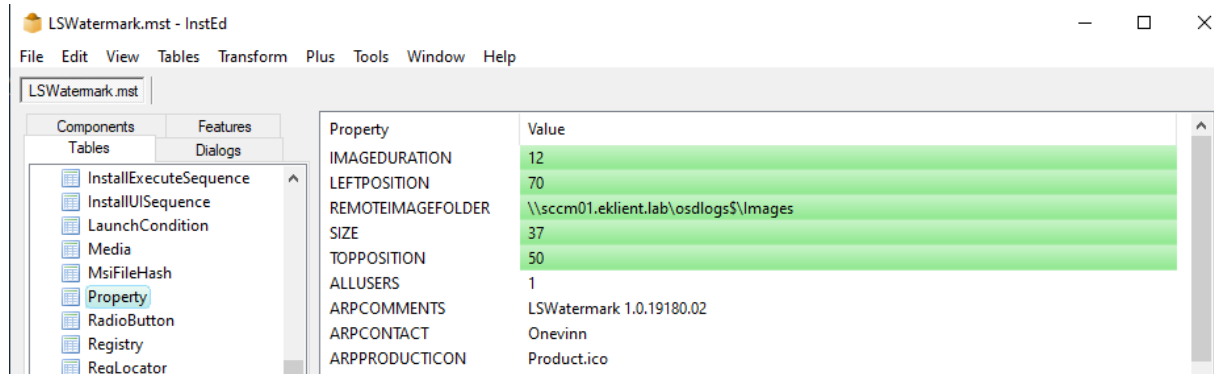
5.5. Image position

SIZE, **TOPPOSITION** and **LEFTPOSITION** properties in action:

5.6. Mst

As always, when setting more than a couple of msi properties, it might be worth the effort to create an mst file. The included mst file will have to be edited before use, you can do so with for example Orca or InstEd:

http://www.instedit.com

Specifically, the REMOTEIMAGEFOLDER must be changed to reflect your environment.

If several properties are modified this simplifies the install command significantly:

msiexec /I "LSWatermark 1.0.19180.02.msi" TRANSFORMS="LSWatermark.mst" /qn

6. HOW IT WORKS - OVERVIEW

LSWatermark.exe is installed at the following location:

%ProgramFiles(x86)%\Onevinn\LSWatermark

The application is launched by a Scheduled Task when any of the following events occur:

#1: System Start

#2: Session logoff

#3: Session lock

The application closes itself when any of the following is detected:

#1: Session logon

#2: Session unlock

This means the application is only running when no one is logged on and/or when an active session is locked.

The installer (msi) does not control the content of the "Images" folder, the entire folder with content is copied to the install directory during installation.

This means the content (pictures) can be changed afterwards by for example GPP or package/program and survive a msi repair.

Likewise, the folder, regardless of content, will be removed if the application is uninstalled.

If a remote location is used for images LSWatermark will not use them directly but rather copy them (overwrite) to the local images folder and load them from there. This is done once every time the application starts. If the network folder is not available (laptop out of office) the program continues to use the last images downloaded.

7. ISSUES

#1: When triggered by a "session lock" the pictures are not shown on the lock screen curtain but only visible on the logon screen.