

Software Packaging for RealmJoin

Prerequisites and Requirements

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Preamble

The deployment of software applications is a crucial element of the *Modern Workplace* concepts.

The 100% cloud environment demands a versatile, deterministic and auditable provisioning of the Windows 10 clients. Wrapping up the application in so called packages – controlled and compact units – makes them uniform and manageable, leading to a scalable and agile provisioning of the clients.

Necessarily, an easy to control way to manage the assignment and distribution completes the ideal provisioning solution. While *Microsoft Intune* offers those features for the management and configuration of the clients themselves, its capabilities of installing applications are limited at best.

The workshop *Software Packaging for RealmJoin* gives an insight and a first *hands on* to the packaging of applications and the management of those with the Glück&Kanja RealmJoin agent.

Prerequisites

To create and manage application packages, a number of requirements have to be fulfilled. It is essential, that **ALL** of the following requirements are fulfilled **in advance**, there will be no time to do so during the workshop.

Tenant

- An Azure Tenant with
 - Connection to RealmJoin including the administrative groups for RealmJoin
 - At least one test user with a EMS E3 license and no hard compliance rules, MDM enabled (might be the RealmJoin administrator)

Client

- A windows client to work on
 - This might be the regular work laptop, there won't be any packages installed or tested on this machine
 - Installed and tested GIT and GIT-LFS (<https://git-scm.com/> + <https://git-lfs.github.com/>)
 - A code editor, e.g. *Visual Studio Code* (<https://code.visualstudio.com/>)
 - A GIT client, e.g. *Tortoise GIT* (<https://tortoisegit.org/>)
 - At least one application to be packaged during the workshop. This should be an MSI (or exe) with no or simple switches (e.g. 7-Zip, Chrome, Firefox, ...)

Virtual

- Access to <https://realmjoin-web.azurewebsites.net> with administrative privileges. This might be granted, in default cases, via the membership in the *cfg-RealmJoin Admin* group in Azure AD. The user might also be the test user.
- Access to <https://gitlab.realmjoin.com/>. If not already done, please register with the work AAD OAuth account. Afterwards, there should be a message displayed, that the account is blocked. Please let GK know, so we can grant access. Make sure to change the Gitlab password once after that (it will be needed once).

Test Machine

- A client/machine to test packages on
 - Either a second laptop
 - Or a virtual machine with at least 4GB of RAM
 - Windows 1803 PRO and up
 - Azure AD joined out of OOBE with the test user

Please also check the official documentation website and especially the packaging section (<http://docs.realmjoin.com/create-package.html>) for a first impression.

Default Timetable

This timetable might be adjusted to the needs of the workshop.

10:00	Start Workshop
10:15-12:15	Basics RealmJoin and discussion
12:30-13:30	Lunch
13:30-15:00	Hands-On
15:00-15:15	Break
15:15-17:00	Hands-On and discussion