Information on

Ascertia GoSignDesktop version 6.9.0.9

General info about the release:

- The currently used client will also be supported after go-live. However, it is recommended that at some point in time an upgrade will be performed.
- The new client can work with all TARGET applications, as usual (T2S, CRDM, TIPS, CLM/RTGS). As soon as customers will deploy the new client on their infrastructure (either desktop stations or terminal servers), the final users will start using it; the same client will then be used in all stages i.e. no matter the stage.
- It is confirmed that the vulnerability issues identified so far are addressed by the 6.9.0.9 version (mainly latest log4j 2.17.1 and PBI221461).

➢ **USEFUL INFO FOR DOWNLOAD:**
- Download URLs (EAC, UTEST and PROD) are reported in the attached Esmig Qualified Configuration 1.3.4.pdf. *(They will be active as of 11OCT morning).*
- Previous 6.9.0.1 client can be provided upon request, in case of need.
- MU:
  - File name: ADSS-Go-Sign-Desktop-v6.9.0.9-Win64-MU.msi
  - SHA256 hash value:
    9621ac0dab26600832830f1682c4784c24f4b8d6eda96d9d3ac4f3feadce249c
  - SU:
    - File name: ADSS-Go-Sign-Desktop-v6.9.0.9-Win64-SU.msi
    - SHA256 hash value:
      6a9cae9f790ba873ba97cdb135b9485a5fcf68f305f1fe48c90a1977e83f5add

➢ **PRE-REQUISITES:**
- Swift customers using HSM certificates MUST download and install the ESMIG U2A SWIFT Login Application **2.1.4.6** (20SEP22) before installing and using the 6.9.0.9 MU client.

➢ **GENERAL REMARKS:**
- *Upgrade not mandatory.* Technical support from 4CB will be provided for new 6.9.0.9 release as well as the previous one (6.9.0.1). End of Support date for 6.9.0.1 will be shared in due time.
- Same client to be used in all application stages for all TARGET services.
- Customer can decide the best deployment strategy in their environment according to testing status and technical needs.
- 4CB entered into a license agreement with Ascertia and costs will be managed accordingly by 4CB ; disclaimer accepted by the admin at installation phase should not be taken into consideration.
- Customer should open support request to 4CB only and NOT to Ascertia directly. 4CB will involve Ascertia as appropriate.
- Please remove old client first and ensure the " gosign" certificate is not present anymore in user trust store before installing the new version.
- The SU 6.9.0.9 client surpasses the 6.9.0.7 client, distributed some time ago. Any NCB who may have already installed and/or using 6.9.0.7 SU client (for T2 CN) may also keep this version.

Information on Ascertia GSD version 6.9.0.9.docx

- Esmig Qualified Configuration guide has been updated in order to reflect last changes (e.g. MU installation procedure) as well as to include the vast majority of information previously included in the FAQ 2.0 document.
- *@IT Admin: please read carefully Esmig Qualified Configuration 1.3.4.pdf and take care of the "Mandatory troubleshooting information" when users need to open a support request.*

➢ **MU FIXES:**
- Updated permissions on Ascertia folders and subfolders for "Authenticated Users" group
- The "Ascertia\Go-Sign-Desktop\runtime\app\lib" folder will be deleted if no child instances are currently running - If a child instance is running, this folder will not be removed.
- Installation directory is completely uninstalled if the folder and files from previous point are successfully removed.
- All NSSM remnants will be removed after uninstall.
- SQLlite dll issue – solved
- The service installation works fine but Service startup type to be changed to AUTO (from Manual).
- The registry key for automatic start of GSD client on administrator login should be removed.
- Service instance log file path corrected.

➢ **MU and SU UPDATES:**
- The MU 6.9.0.9 client introduces the Housekeeping / Heartbeat function. This allows dynamic management of child instances by the Ascertia service. It should be kept inactive for the moment (see below instructions). 4CB will provide instructions for Housekeeping activation in a separate communication.
- go-sign-desktop.properties
  - This file was moved into new path: *%userprofile%\AppData\Roaming\Ascertia\Go-Sign-Desktop*
  - 'GOSIGN_DESKTOP_LOG_FILE_PATH' its default value is '*default':* *%USERPROFILE%\AppData\Roaming\Ascertia\Go-Sign-Desktop\logs\go-sign-desktop.log.* Another path can be entered e.g. '\\\\<file server IP>\\Shared\\gosign' and Go>Sign Desktop will append the username and the file name and start logging at the shared network location.


```
GOSIGN_DESKTOP_LOG_FILE_PATH = default          results in logfiles being stored in %USERPROFILE%
                                                \AppData\Roaming\Ascertia\Go-Sign-Desktop\logs\go-sign-
                                                desktop.log
# GOSIGN_DESKTOP_LOG_FILE_PATH = \\\\192.168.20.4\\Shared\\gosign|
# GOSIGN_DESKTOP_LOG_FILE_PATH = C:\\Users\\UserID\\AppData\\Roaming\\Ascertia\\Go-Sign-
Desktop\\logs\\TestLogFolderSetting\\FileGSD.txt
```

  - Log file rolling mechanism now available; please check/adapt customization options, in case of need:

```
GOSIGN_DESKTOP_LOG_FILE_MAX_SIZE = 1 MB

GOSIGN_DESKTOP_LOG_FILE_MAX_COUNTER = 10
```

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    o   ENABLE_HEART_BEAT = FALSE (not to be changed/activated for the moment)

```
GOSIGN_DESKTOP_ENABLE_HEART_BEAT = FALSE

GOSIGN_DESKTOP_MAX_IDLE_TIME = 2

GOSIGN_DESKTOP_MAX_IDLE_INTERVAL = 1

GOSIGN_DESKTOP_MAX_INSTANCES_PER_USER = 2
```

➢ **LIBRARIES UDPATES:**
- Log4j 2.17.1 covering Log4J latest vulnerabilities:
  - Apache Log4J CVE-2021-44832 à Fixed in log4j 2.17.1; following communication from Ascertia was also shared at time:
    https://ascertia.my.salesforce.com/sfc/p/#24000000Iker/a/08000000ZknP/si0lRNy44Zx SiiIhpG450OifoDT7F6QOazTLN5xrCHs
  - Apache Log4J CVE-2021-45105 à Fixed in Log4j 2.17.0; see attached email from Ascertia

- jdk11.0.15 (also fixing JRE Azul Zulu version 11.0.12 // INC000000335287)

- IAIK 1.6.5 PKCS11 libraries included

```
MANIFEST.MF - Editor

Datei  Bearbeiten  Format  Ansicht  Hilfe
Manifest-Version: 1.0
Implementation-Version: 1.6.5
Specification-Vendor: IAIK
Implementation-Vendor-Id: iaik
Extension-Name: iaik.pkcs.pkcs11.provider
Build-Jdk-Spec: 1.8
Created-By: Maven Jar Plugin 3.2.0
Specification-Version: 1.6.5
Implementation-Vendor: IAIK
```