



D.2.4.P3 Ingest from government agencies (Full Scale Pilot 3)

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|-------------------------|------------------------------------------------------|
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Table of Contents

1. EXECUTIVE SUMMARY.....1

2. PILOT DOCUMENTATION2

2.1 SCENARIOS 2

2.2 INTRODUCTION..... 2

2.3 ORGANISATIONS INVOLVED 2

2.4 SOFTWARE COMPONENTS 3

2.5 DATA CHARACTERIZATION 3

2.6 PILOT WORKFLOW 5

2.7 INSTALLATION INSTRUCTIONS..... 14

1. Executive Summary

This document is part of the deliverable:

D2.4) Pilot documentation

Pilot documentation: This package of documentation will provide technical and end-user guidance to support not only the pilot sites but also possible future deployments thereafter. [month 33] (from DoW)

Structure of this deliverable

The deliverable is a package of linked documents.

This **Summary** contains the common information and short overview of the pilots, along with links to the final version of the Pilot Definition excel files and Pilot Documentation Packages. The **Pilot Definition** excel provides detailed information about scenarios, data sets and step-by-step preparation and process step instructions. The **Pilot Documentation Package** is created by the pilot staff responsible for the pilot execution. This package contains additional information along with screenshots (and videos in some cases) of the tools during the execution of the pilot.

Summary (this document) – Created by WP2

Pilot Package – Pilot 1

- Pilot Definition (Final version) – Created by WP2 and Pilot 1 responsible
- Pilot Documentation files – Created by Pilot 1

Pilot Package – Pilot 2

- Pilot Definition (Final version) – Created by WP2 and Pilot 2 responsible
- Pilot Documentation files – Created by Pilot 2

Pilot Package – Pilot 3

- Pilot Definition (Final version) – Created by WP2 and Pilot 3 responsible
- Pilot Documentation files – Created by Pilot 3

Pilot Package – Pilot 4

- Pilot Definition (Final version) – Created by WP2 and Pilot 4 responsible
- Pilot Documentation files – Created by Pilot 4

Pilot Package – Pilot 5

- Pilot Definition (Final version) – Created by WP2 and Pilot 5 responsible
- Pilot Documentation files – Created by Pilot 5

Pilot Package – Pilot 6

- Pilot Definition (Final version) – Created by WP2 and Pilot 1 responsible
- Pilot Documentation files – Created by Pilot 6

Pilot Package – Pilot 7

- Pilot Definition (Final version) – Created by WP2 and Pilot 7 responsible
- Pilot Documentation files – Created by Pilot 7

2. Pilot documentation

2.1 Scenarios

Scenario 1: **Extract records from EDRM (of a governmental institution), create SIP and ingest to Preservica**
and

Scenario 2: **Provide access to records from governmental institution through RESTful services**

2.2 Introduction

The main part of the pilot 3 includes the export of electronic records and their metadata from EDRM systems of Estonian public sector institutions, transfer and ingest to the NAE digital repository. There will be data selected and extracted from the native ERMS (DELTA) Export Module in the Ministry of Justice in Estonia, exported to the Universal Archival Module (UAM) of the National Archives of Estonia (NAE) to create E-ARK SIP and ingested to Preservica (NAE) in the first scenario.

In addition to that, Estonian agencies have the responsibility to make public electronic records with no access restrictions available on their web sites, which means that the pilot will also enable this through standardised linking/access methods that are implemented in the agencies' digital infrastructure / web site. The second scenario will be pilot access to the records from the agency.

Detailed descriptions of the organisations, tools and data will follow in the next chapters.

2.3 Organisations involved

The organizations involved in this pilot are: The Ministry of Justice of Estonia (data provider agency) and The National Archives of Estonia (NAE)

The main duty of the **Ministry of Justice** is to plan and to carry out a legal and criminal policy of the state, which will help ensure an open and secure society, where people may be assured of the use and protection of their rights. Ministry of Justice of Estonia Works as a coordinator of legislative drafting, stands for the systematic development of law and supports the formation of quality legislative drafting. The competence of the Ministry of Justice also includes organizing the professional activities and legal services of the notaries' offices, the work of the service of sworn translators and bailiffs, coordinating crime prevention and harmonization of Estonian legislations with the law of the European Union, processing international rogatory letters, and guaranteeing the legality of the activities of the Bar Association, and organizing the representation of the state in judicial proceedings.

A total of more than 3,300 people are employed in the administrative field of the ministry, 160 of whom work in the ministry (more information can be found from this link: <https://www.just.ee/et/ministry-justice>)

The **National Archives of Estonia** (NAE) is the central governmental archival agency in Estonia. The Digital Archives of NAE is the leading national authority on electronic records management and long-term preservation. It has also established a fully functional digital preservation system and issues relevant national guidelines.

2.4 Software components

The main software products involved in this pilot are: native ERMS (DELTA) Export Module, UAM – Universal Archival Module, E-ARK CMIS Browser.

ERMS (DELTA) Export Module

Delta is a content management system, where administrators can define different types with complex structure for documents and types for compound workflows. The users can create (modify, delete, search) documents based on the types defined by administrators and start (postpone, finish, search) compound workflows for/with documents, assign (execute, search) tasks to users (including himself). The system usually has one active store for documents and 1 to n archive stores. There are also included several data migration utilities from different systems to DELTA (e.g. SharePoint). Also Delta has event logs monitoring system.

DELTA is used in many departments and official organizations in Estonia. Performance tests has been done for amount of users from 100 until 10 000. DELTA is also operating with about 10 000 000 documents per store. All of it covering all requirements of Estonian official organizations.

At Ministry of Justice it is used Delta version 5.2.2.150. The Delta Export Module allows pulling out the data and metadata from source systems for archiving purposes.

Universal Archiving Module (UAM)

The universal archiving module (UAM) is a software created by the NAE for the preparation and transfer of digital documents extracted from electronic records managements systems. Use of UAM requires the ability of an institution's ERMS to export documents and their metadata in XML format.

In addition to import data from records and content management systems UAM allows to rearrange, classify and further describe the contents of the transfer; validate the transfer according to the rules established by the National Archives of Estonia and finally create SIP packages to be transferred to the digital archives. UAM addresses specifically the normalisation and preparation of records as individual entities.

Level of maturity: The current version of UAM was released in autumn 2012 and has been used for preparing two transfers since then. While not mandatory to be used it is officially released on the National Archives of Estonia web site and all public entities are encouraged to use it for their records.

Technical parameters of UAM:

- a client of Windows;
- uses .NET framework;
- uses programming languages C# and LINQ;
- requires SQL (Express) server;
- uses JHove component.

E-ARK CMIS Browser

The E-ARK CMIS Browser is a lightweight access portal capable of connecting to a CMIS-compliant digital repository (piloted with Preservica). The tool allows for the simple browsing and searching of content stored in the repository, being at the same time installed at the (internal) network of the agency

2.5 Data characterization

The first data-set used in the pilot 3 was comprised of a different series of the Ministry of Justice of Estonia documents, of total number of 15 files. Document formats are in ddoc, docx, PDF, TIFF formats.

| | | | | |
|-------|-------|----------------------------------------------------------------------------------|---------------|-------------|
| Jrknr | Tähis | Pealkiri | Kehtiv alates | Kehtiv kuni |
| 1 | 1.1-8 | Ministri, kantsleri ja hallatavate asutuste juhtide vahetumisel üleandmise aktid | 01.01.2010 | 31.12.2010 |

| 1.1-8 Ministri, kantsleri ja hallatavate asutuste juhtide vahetumisel üleandmise aktid (dokumendid) | | | | | | | | | |
|-----------------------------------------------------------------------------------------------------|-------------|------------|-------------------------------------|-----------------|----------------|------------------|---------|--------------|--------|
| <input type="checkbox"/> | Viit | Reg kp | Pealkiri | Liik | Saatja/Saaja | Vastutaja | Tähtaeg | Vastamise kp | Failid |
| <input type="checkbox"/> | | | JM-RIK_üleandmise-vastuvõtmise ... | Väljaminev kiri | | Liis Laaneloog | | | |
| <input type="checkbox"/> | 1.1-8/17728 | 31.12.2010 | Akt JUM RIK 30.12.2010 ... | Akt | RIK | Liis Laaneloog | | | |
| <input type="checkbox"/> | 1.1-8/17728 | 31.12.2010 | RTO-Jum_üleandmise-vastuvõtmise ... | Akt | Riigikantselei | Liis Laaneloog | | | |
| <input type="checkbox"/> | 1.1-8/17728 | 05.01.2011 | Allkirjastatud vara üleandmise ... | Akt | RIK | Kristel Marksalu | | | |

| | | | | |
|---|-------|---------------------------------------|------------|------------|
| 2 | 1.1-8 | Juhtide üleandmise-vastuvõtmise aktid | 01.01.2008 | 31.12.2008 |
|---|-------|---------------------------------------|------------|------------|

| 1.1-8 Juhtide üleandmise-vastuvõtmise aktid (dokumendid) | | | | | | | | | |
|----------------------------------------------------------|----------------------------|------------|------------------------------|-----------------|-----------------|----------------|---------|--------------|--------|
| <input type="checkbox"/> | Viit | Reg kp | Pealkiri | Liik | Saatja/Saaja | Vastutaja | Tähtaeg | Vastamise kp | Failid |
| <input type="checkbox"/> | | 01.03.2008 | KEKK akt | Akt | | Liis Laaneloog | | | |
| <input type="checkbox"/> | [AK] /25 | 02.01.2008 | Ämari Vangla asjaajamise ... | Sissetulev kiri | Ämari Vangla | Liis Laaneloog | | | |
| <input type="checkbox"/> | [AK] 14132 | 10.12.2008 | Hendrik R. Bott praktika ... | Sissetulev kiri | Hendrik R. Bott | Gerly Kuivkaev | | | |

| | | | | |
|-------|-------|-----------------------------------------------------|---------------|-------------|
| Jrknr | Tähis | Pealkiri | Kehtiv alates | Kehtiv kuni |
| 1 | 1.4-3 | Justiitsministeeriumi tegevuse auditeerimise toimik | 01.01.2004 | 31.12.2004 |

| <input type="checkbox"/> | Viit | Reg kp | Pealkiri | Liik | Saatja/Saaja | Vastutaja | Tähtaeg | Vastamise kp | Failid |
|--------------------------|-----------|------------|-------------------------------|-----------------|--------------|----------------|---------|--------------|--------|
| <input type="checkbox"/> | 5-04/6734 | 25.05.2004 | Auditi lõpparuande koopia ... | Väljaminev kiri | Ravala pst 3 | Liis Laaneloog | | | |

| | | | | |
|---|--------|------------------------|------------|------------|
| 2 | 3.1-18 | Personalialane aruanne | 01.01.2003 | 31.12.2003 |
|---|--------|------------------------|------------|------------|

| <input type="checkbox"/> | Viit | Reg kp | Pealkiri | Liik | Saatja/Saaja | Vastutaja | Tähtaeg | Vastamise kp | Failid |
|--------------------------|--------------|------------|-------------------------------|-----------------|------------------------------------|----------------|---------|--------------|--------|
| <input type="checkbox"/> | 1-3-13/10068 | 08.08.2003 | Aruanne tööjõu liikumine ... | Väljaminev kiri | Statistikaamet Palgastatistika ... | Liis Laaneloog | | | |
| <input type="checkbox"/> | 1-3-13/12189 | 03.10.2003 | Aruanne "Tööjõu liikumine ... | Väljaminev kiri | Palgastatistika sektor | Liis Laaneloog | | | |

| | | | | |
|---|--------|------------------------|------------|------------|
| 3 | 3.1-18 | Personalialane aruanne | 01.01.2004 | 31.12.2004 |
|---|--------|------------------------|------------|------------|

| <input type="checkbox"/> | Viit | Reg kp | Pealkiri | Liik | Saatja/Saaja | Vastutaja | Tähtaeg | Vastamise kp | Failid |
|--------------------------|-------------|------------|-------------------------------|-----------------|-------------------------------------|----------------|---------|--------------|--------|
| <input type="checkbox"/> | 1-3-13/1104 | 23.01.2003 | Aruanne "Tööjõu liikumine ... | Väljaminev kiri | Statistikaamet Palgastatistika ... | Liis Laaneloog | | | |
| <input type="checkbox"/> | 1-3-13/5668 | 30.04.2004 | Aruanne 2004. a. I kvartal | Väljaminev kiri | Statistikaamet, Palgastatistika ... | Liis Laaneloog | | | |
| <input type="checkbox"/> | 260 | 08.01.2004 | 2004.a. tööjõu liikumine ... | Sissetulev kiri | Statistikaamet | Liis Laaneloog | | | |
| <input type="checkbox"/> | 261 | 08.01.2004 | 2004.a. palagaaruande ... | Sissetulev kiri | Statistikaamet | Liis Laaneloog | | | |

| | | | | |
|---|-------|-----------------------------------------------------|------------|------------|
| 4 | 1.4-3 | Justiitsministeeriumi tegevuse auditeerimise toimik | 01.01.2005 | 31.12.2005 |
|---|-------|-----------------------------------------------------|------------|------------|

| <input type="checkbox"/> | Viit | Reg kp | Pealkiri | Liik | Saatja/Saaja | Vastutaja | Tähtaeg | Vastamise kp | Failid |
|--------------------------|------|--------|-------------------------------|---------------------|--------------|----------------|---------|--------------|--------|
| <input type="checkbox"/> | | | Siseauditi eest vastutava ... | Majasisene dokument | | Liis Laaneloog | | | |

2.6 Pilot workflow

“Data selection and extraction” displays the step of the E-ARK Pre-Ingest process where the content to be exported will be selected and extracted from the producer system. Extraction activity must be preceded by the data selection process.

Workflow steps in DELTA:

In case of ERMS, the **data selection** must be implemented inside an ERMS, as a piece of native functionality, or in an “archiving module”. In DELTA this functionality is configured on the basis of lifecycle management. The first step is to fix the lifecycles, then assign concrete lifecycle to a case file. Subsequently it is possible to choose the command to show the case files to be exported.

Please find information about case file life-cycle from the Figure 1. Chosen lifecycle and the next action with date and other involved info are shown with red ovals.

Toimiku elukäik

Salvesta Tagasi

Toimikule valitud eelkirjeldatud elukäik

Elukäik: 7 aastase säilitustähtajaga finantsi toimikud, hinnatud otsus nr 53

Hinnatud: ☒

Arhiiviväärtuslik: ☐

Säilitusaeg: 7 aastat

Elukäigu esimene sündmus: säilitustähtaja ülevaatus, pikendamine, algab toimiku sulgemisest, 7 aastat

Arhiivihalduse märkused: Rahvusaarhiivi 2.02.2010 hindamisotsus nr 53. Hindamisotsuse alusel hävitatakse lihtsustatud korras

Toimiku elukäigu andmed

Hinnatud: ☒

Arhiiviväärtuslik: ☐

Säilitatakse alaliselt: ☒

Säilitustähtaja arvestus: algab toimiku sulgemisest

Säilitusaeg aastates: 7

Säilitustähtaja kuupäevana: 31.12.2011

Järgmine sündmus: Rahvusaarhiivi üle andmine UAM-i kasutades

Järgmise sündmuse toimumise aeg: 26.10.2016

Arhiivihalduse märkused: Rahvusaarhiivi 2.02.2010 hindamisotsus nr 53. Hindamisotsuse alusel hävitatakse lihtsustatud korras

Valitud arhiiviasutusse üle andmiseks: ☒

Eksporditud UAM-i: ☒

Viimane UAM-i ekspordimise aeg: 27.10.2016 10:47

Arhiiviasutusse üle andmine kinnitatud: ☒

Arhiiviasutusse üle andmise aeg: 26.10.2016 11:50

Märgitud hävitamiseks: ☐

Hävitamisakt koostatud: ☐

Figure 1. Case file life-cycle

After selecting the life-cycle it is possible to see the list of case-files to be exported, e.g in Oct 2016.

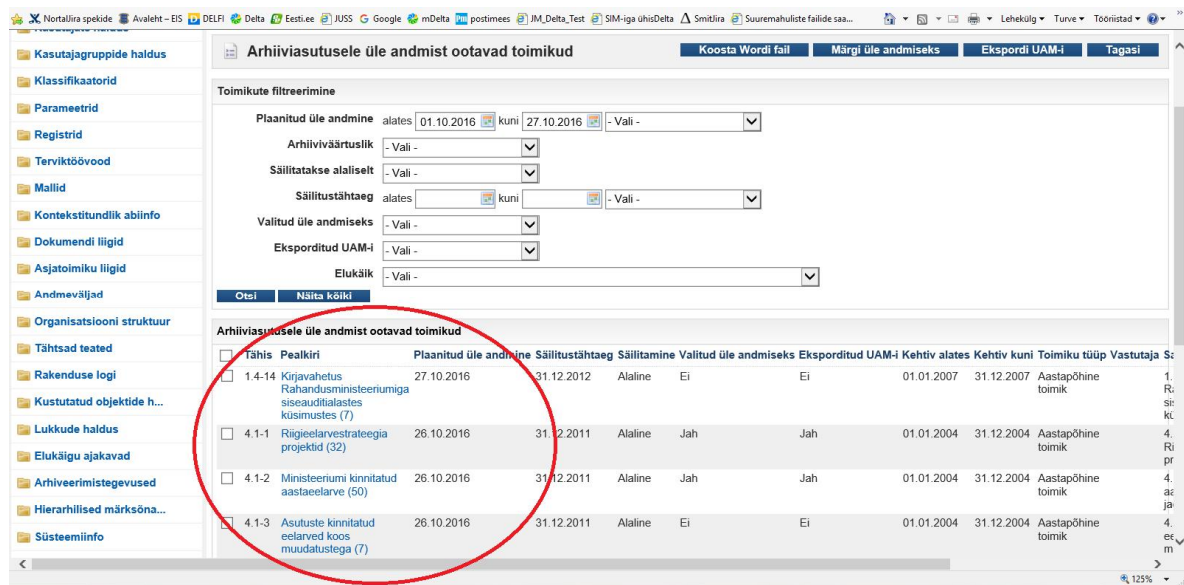


Figure 2. List of case-files of one life-cycle to be exported in Oct 2016

The next step shows the selected case-file to be exported in Oct 2016. After clicking the confirmation button the system creates an xml-file which will be exported to UAM.

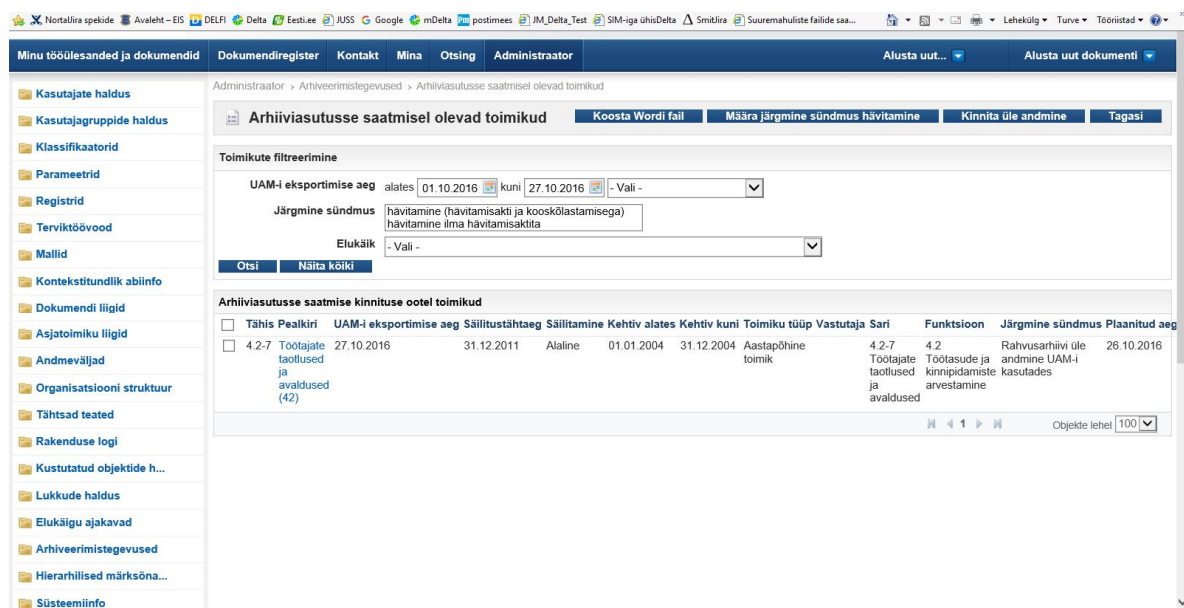


Figure 3. Selection waiting for export to UAM, not confirmed yet

Performed archival actions in DELTA are seen in the Figure 4. We can see that selection process has been documented in DELTA Export Module. The red oval shows the title of the actual .xml file which will be transferred to UAM.

Kasutajagruppide haldus

Klassifikaatorid

Parameetrid

Registrid

Terviktoovood

Mallid

Kontekstitundlik abiinfo

Dokumendi liigid

Asjatoimiku liigid

Andmeväljad

Organisatsiooni struktuur

Tähtsad teated

Rakenduse logi

Kustutatud objektide h...

Lukkude haldus

Elukäigu ajakavad

Arhiveerimistegevused

Hierarhilised märksõna...

Süsteemiinfo

Nodeide sirvija

↑ Otseleed

Eemaloleku seadistus

Tööülesannete otsing

Terviktoovogude otsing

Dokumendide otsing

Sooritatud arhiveerimistegevused

Tagasi

Tegevuste filtreerimine

Teostatud alates 27.10.2015 kuni - Vali -

Tegevus - Vali -

Otsi Näita kõiki

Arhiveerimistegevused ja tulemused

| Tegevus | Teostatud | Teostaja | Staat | Tulemusfail | Dokument |
|--------------------------------------------------------------------|------------------|----------------|-----------|-----------------|------------------------------------------------------|
| Hävitamisakti kavandi loomine | 17.05.2016 14:31 | Liis Laaneloog | lõpetatud | | Loo uus dokument |
| Toimikute märkimine arhiivasutusele üle andmiseks | 17.05.2016 14:41 | Liis Laaneloog | lõpetatud | | Loo uus dokument |
| Toimikute märkimine arhiivasutusele üle andmiseks | 17.05.2016 14:42 | Liis Laaneloog | lõpetatud | | Loo uus dokument |
| Arhiivasutusse üle andmiseks UAM-i formaadis XML-i eksportimine | 17.05.2016 14:43 | Liis Laaneloog | lõpetatud | UAM20160517.xml | Loo uus dokument |
| Arhiivasutusse saatmisel olevate toimikute üle andmise kinnitamine | 17.05.2016 14:44 | Liis Laaneloog | lõpetatud | | Loo uus dokument |
| Toimikute märkimine arhiivasutusele üle andmiseks | 17.05.2016 16:06 | Liis Laaneloog | lõpetatud | | Loo uus dokument |
| Arhiivasutusse üle andmiseks UAM-i formaadis XML-i eksportimine | 17.05.2016 16:07 | Liis Laaneloog | lõpetatud | | Loo uus dokument |
| Arhiivasutusse saatmisel olevate toimikute üle andmise kinnitamine | 17.05.2016 16:18 | Liis Laaneloog | lõpetatud | | Loo uus dokument |
| Hävitamisakti kavandi loomine | 17.05.2016 16:19 | Liis Laaneloog | lõpetatud | | Loo uus dokument |
| Hävitamine koos hävitamisakti koostamisega | 17.05.2016 16:20 | Liis Laaneloog | lõpetatud | | Loo uus dokument |
| Hävitamisakti kavandi loomine | 18.05.2016 11:32 | Liis Laaneloog | lõpetatud | | Loo uus dokument |
| Hävitamisakti kavandi loomine | 25.05.2016 11:15 | Liis Laaneloog | lõpetatud | | Loo uus dokument |
| Hävitamine koos hävitamisakti koostamisega | 25.05.2016 11:15 | Liis Laaneloog | lõpetatud | | Loo uus dokument |
| Hävitamisakti kavandi loomine | 31.05.2016 10:39 | Liis Laaneloog | lõpetatud | | Loo uus dokument |
| Lihtsustatud hävitamine ilma hävitamisaktita | 31.05.2016 10:40 | Liis Laaneloog | lõpetatud | | Loo uus dokument |
| Toimikute märkimine arhiivasutusele üle andmiseks | 31.05.2016 11:29 | Liis Laaneloog | lõpetatud | | Loo uus dokument |
| Arhiivasutusse üle andmiseks UAM-i formaadis XML-i eksportimine | 31.05.2016 11:29 | Liis Laaneloog | lõpetatud | | Loo uus dokument |
| Ülevaatamist vajavate toimikute nimekiri | 10.06.2016 14:13 | Liis Laaneloog | lõpetatud | | Loo uus dokument |
| Hävitamisakti kavandi loomine | 10.06.2016 14:33 | Liis Laaneloog | lõpetatud | | Hävitamisakt 5 aastastele toimikutee kuni 31.11.2011 |
| Hävitamine koos hävitamisakti koostamisega | 10.06.2016 14:41 | Liis Laaneloog | lõpetatud | | Toimikute hävitamise akt |
| Ülevaatamist vajavate toimikute nimekiri | 30.08.2016 08:02 | Liis Laaneloog | lõpetatud | | Loo uus dokument |
| Toimikute märkimine arhiivasutusele üle andmiseks | 13.09.2016 10:48 | Liis Laaneloog | lõpetatud | | Loo uus dokument |

https://test-jmdhs.jsite.ee/dhs/d/a/workspace/SpacesStore/68162ce9-fe13-4525-9111-9dad44f83fc1/UAM20160517.xml

125%

Figure 4. Performed actions in Delta

Workflow steps in UAM:

Universal Archiving Module (UAM) is capable of importing the extraction to the tool by placing all the metadata into a database and computer files on to a drive. Data provider can now **prepare the records for archiving, validate the work and create submission information packages (SIPs)**.

First action in UAM after downloading it is the configuration of input and output formats, as seen in the Figure 5.

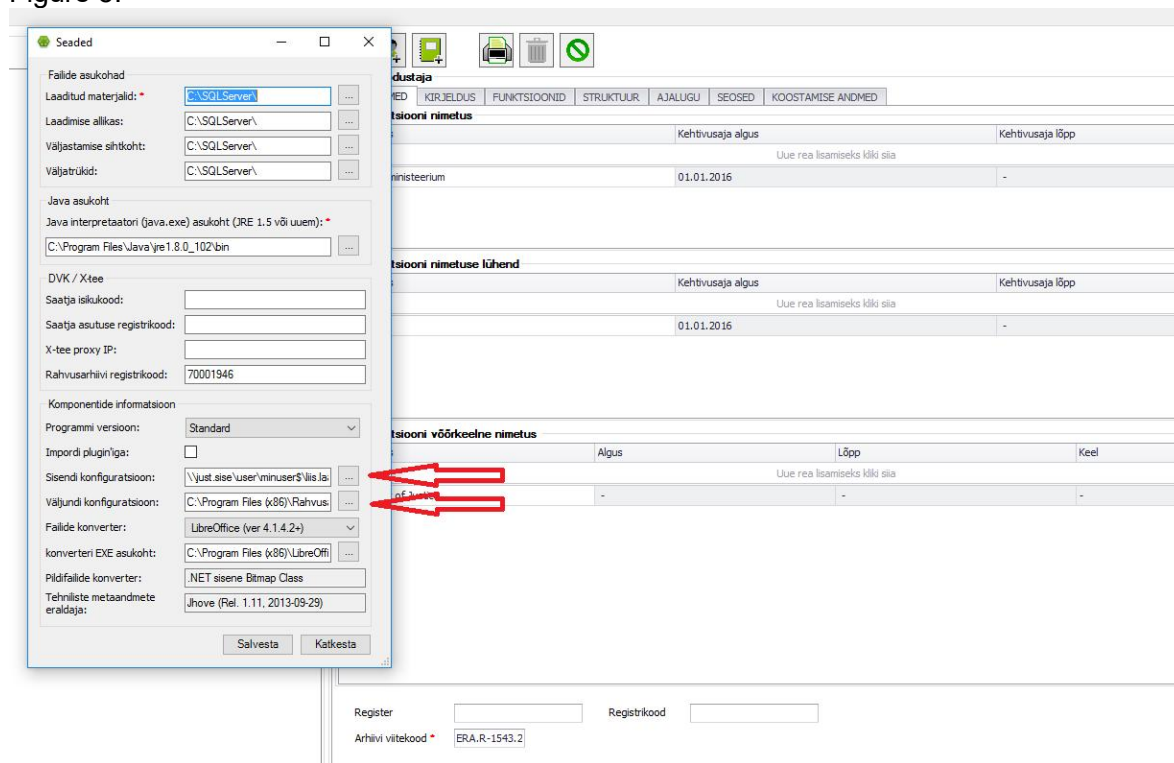


Figure 5. UAM settings

The input configuration (“sisendi konfiguratsioon” in Estonian) was prepared as an XSLT file. The file helped to transform the native Delta export into a suitable format for UAM. The support for an E-ARK SIP was created as one of the options of the transfer to digital archives (Figure 14), but the output configuration (“väljundi konfiguratsioon” in Estonian) shown in Figure 5 provides a way to make additional changes to the predefined export format.

The description of an archive creator will follow as the next activity in UAM. This must be done manually, but data inserted by one agency just once. This step is based on EAC standard, more info from this link: <http://www2.archivists.org/groups/technical-subcommittee-on-eac-cpf/encoded-archival-context-corporate-bodies-persons-and-families-eac-cpf>

Figure 6. Description of archive creator

SIP creation starts by approving the archival project. In project creation it is important to save the details of the creator, marked with red oval in the next figure. The information will help to identify the right transfer project in case there is more than one project related to the archival creator at some point in the future.

Figure 7. UAM Project description

After opening the project in UAM it is possible to import the .xml files from DELTA:

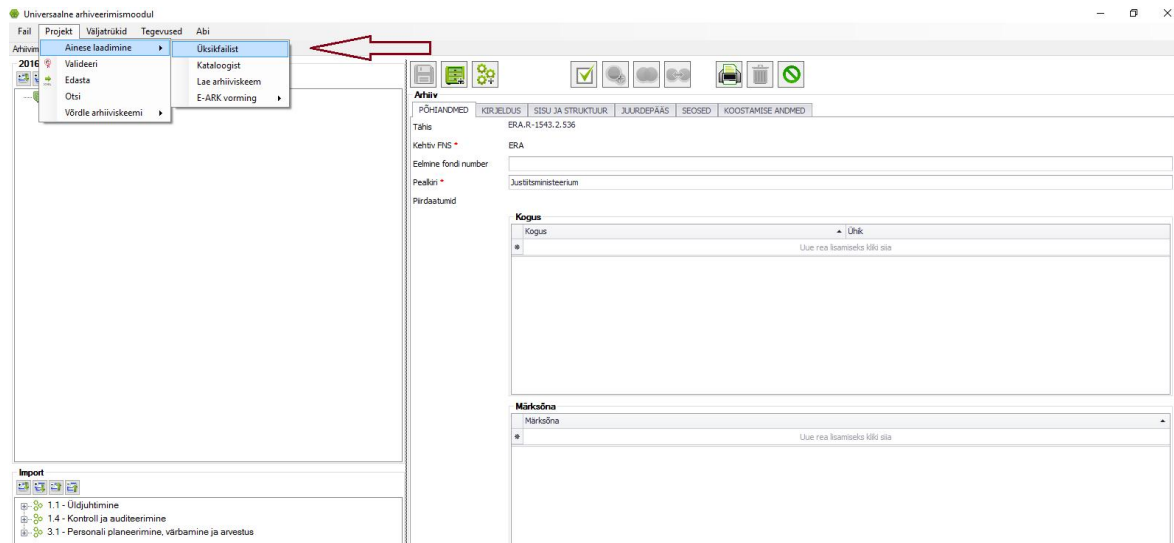


Figure 8. Import to UAM

Next step is to choose the XML files we want to import to UAM. One XML can contain many records with their metadata and computer files encoded as Base64. For example, there are only 4 XML files seen in Figure 9 although they contain 15 records.

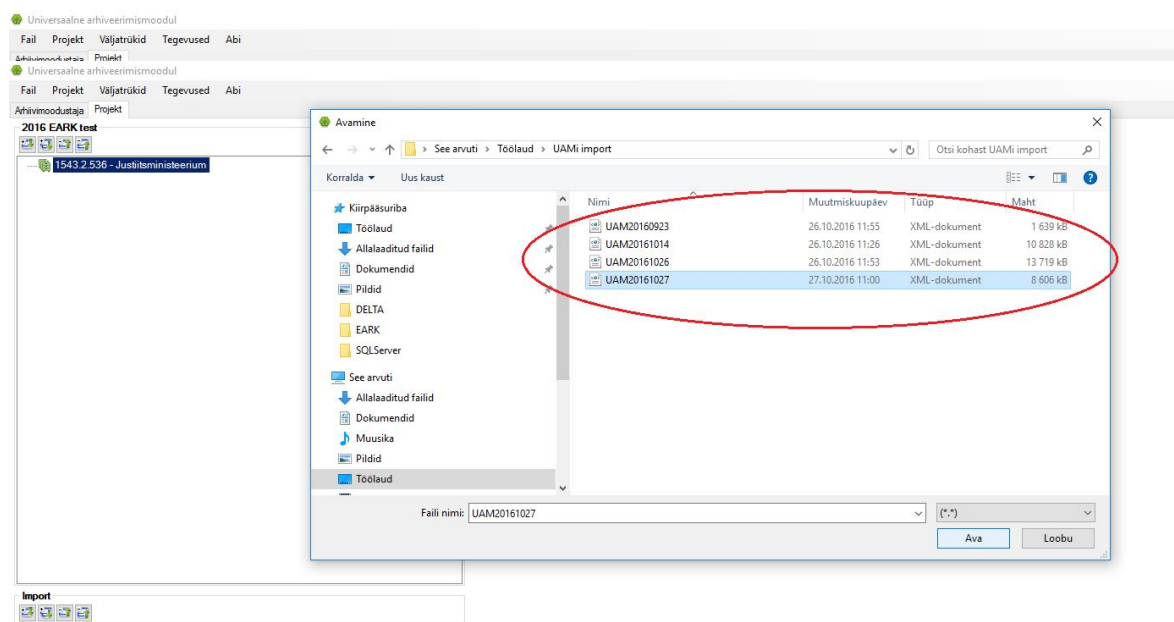


Figure 9. UAM import 2

In the case the import is performed correctly the system creates the report of the success or failure. E.g, in our pilot the report says that 8 files were imported after removing digital signature, 6 files did not correspond to archival formats, 6 files were successfully converted to archival formats, etc. as seen from the Figure 10. There are several checks done in that phase.



Figure 10. Report of the import to UAM

Subsequently it is possible to re-arrange the imported data by UAM user, e.g re-order case files, add files or metadata according to EAD, etc:

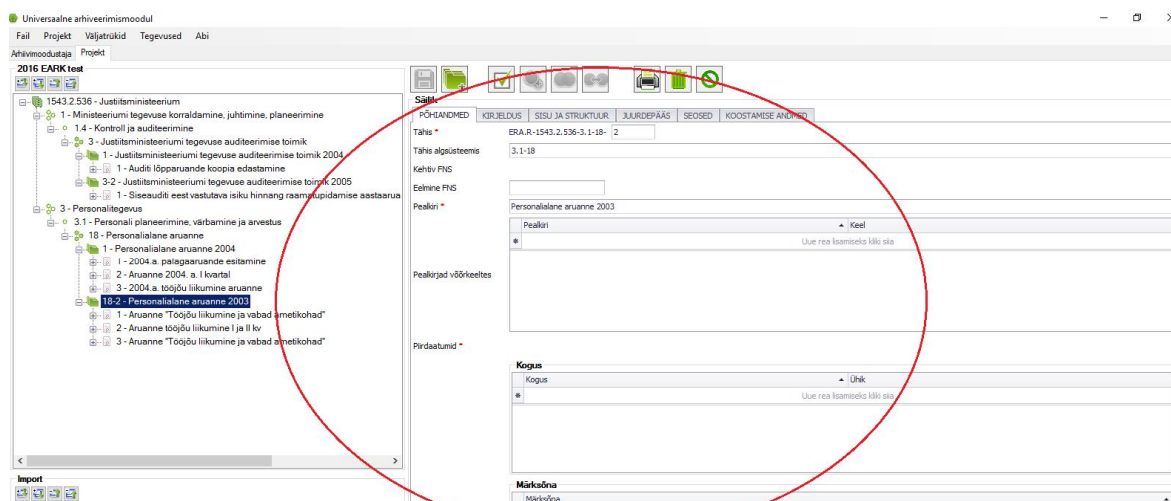


Figure 11. Archival schema after re-arrangements

The next step in UAM is validation, shown in figure 12. In our pilot the system reports about error in transmitter restriction, the cause for access restriction is missing.

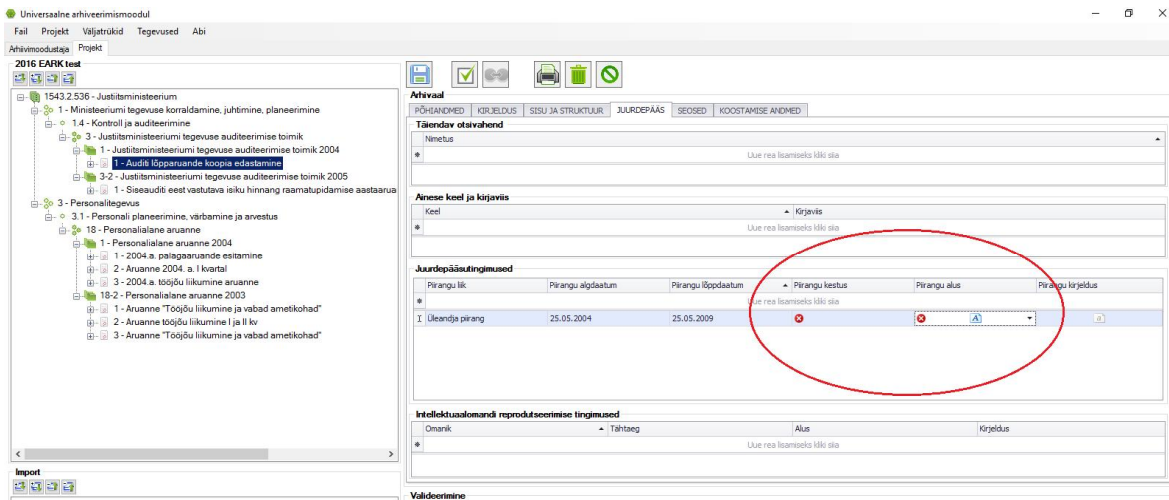


Figure 12. Validation

After validation check it is possible to choose the data carrier, but only in the case of no errors in previous steps. There are two possibilities to export data from UAM to the digital repository of NAE, either via DEC (Document Exchange Center) or using external data carrier.

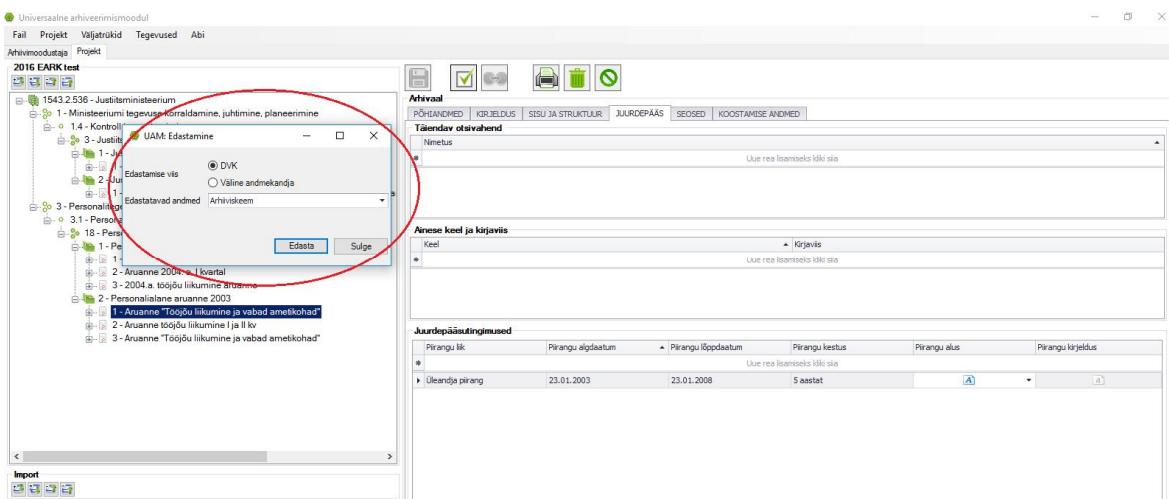


Figure 13. Transfer from UAM

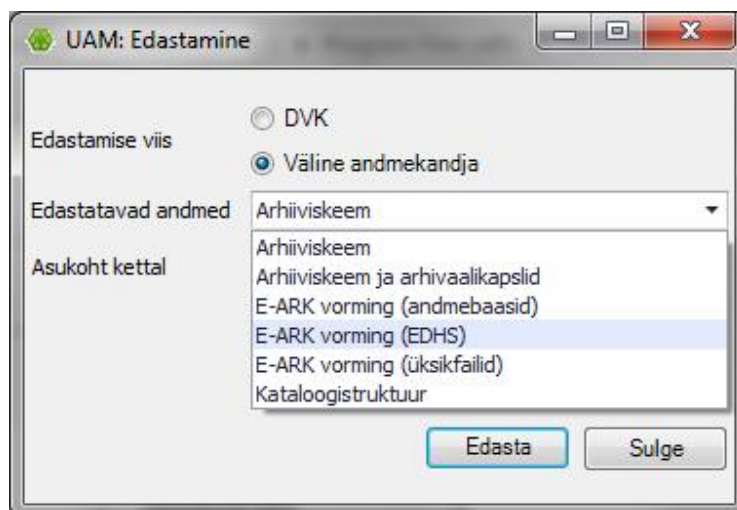


Figure 14. Transfer as E-ARK SIP

Workflow steps in Preservica:

If data has arrived to the repository two workflows in Preservica will be activated automatically:

1. E-ARK Import, which has been configured during E-ARK project. As an example it is seen in the figure 15 that EARK Import has been activated repeatedly, red shows the failed one.
2. Ingest AIP, standard workflow

| Date Completed | Workflow Context | Creator | Collection Code | Top Level Record | Size | Files |
|-------------------|------------------------|------------------------|--------------------|------------------|--------|----------|
| 27.10.16 16:10:15 | Ingest AIP (w/o migr.) | Ingest AIP (w/o migr.) | 2016-10-27-16-09 + | data | 116 KB | 2 |
| 27.10.16 16:09:51 | EARK Import | EARK Import | | | | 0 |
| 27.10.16 16:09:21 | EARK Import | EARK Import | | | | 0 |
| 27.10.16 16:09:15 | Ingest AIP (w/o migr.) | Ingest AIP (w/o migr.) | 2016-10-27-16-08 + | data | 109 KB | 2 |
| 27.10.16 16:08:45 | EARK Import | EARK Import | | | | 0 |
| 27.10.16 16:08:21 | EARK Import | EARK Import | | | | 0 |
| 27.10.16 12:38:45 | Ingest AIP (w/o migr.) | Ingest AIP (w/o migr.) | 2016-10-27-12-37 + | data | 769 KB | 3 |
| 27.10.16 12:37:51 | EARK Import | EARK Import | | | | 0 |
| 27.10.16 12:33:15 | Ingest AIP (w/o migr.) | Ingest AIP (w/o migr.) | 2016-10-27-12-30 + | data | 90 KB | 2 |
| 27.10.16 12:32:27 | Ingest AIP (w/o migr.) | Ingest AIP (w/o migr.) | 2016-10-26-17-45 + | data | 769 KB | 3 |

Figure 15. Transfer from UAM

After all exported E-ARK SIPs are in NAE repository we can start the second scenario. In the **second scenario (will be piloted in November 2016)** there will be provided access to the exported files. Producers that have ingested data into the archive will have to be able to retrieve them again from the Preservica repository using CMIS protocol and a lightweight access GUI named E-ARK CMIS Browser at the Producer site. Users can now search by browsing exported case files, documents etc in the

whole extent of the exported repository or use “search” command. Link to the tool can be found here: <http://cmis.eark.magenta.dk/#/repository>

Estimated time for the pilot:

The entire process from pre-ingest to ingest and access with 15 files piloted in OCT 27 took 3,5 hours. Time expenditure will not increase remarkably in the bigger amount of files as most of the time was spent to preparation and description activities. Time expenditure per one file will be relatively smaller, estimated time for 1000-1200 documents export will grow up to 4 hours.

The pilot will be continued with testing of bigger data sets in near weeks, also the access part will be tested live.

2.7 Installation instructions

ERMS (DELTA) Export Module

Instructions only available in Estonian as the system is not marketed and used in other countries.

UAM

Before installing UAM, it is advisable to get acquainted with:

- UAM user manual (in English): http://www.arhiiv.ee/public/Digiarhiiv/UAM/UAM_user_manual.pdf
- UAM install manual (in English);
http://www.arhiiv.ee/public/Digiarhiiv/UAM/UAM_install.pdf
- Adjustment instructions on UAM input and compatibility with ERMS (in English).
http://www.arhiiv.ee/public/Digiarhiiv/UAM/UAM_input_configuration.pdf
- UAM demo
[watch demo](#)

E-ARK CMIS Browser

The tool will be available to use in November 2016: <http://cmis.eark.magenta.dk/#/repository>