

Using Git repos with webhooks in a common search portal for distributed collections of Byzantine seals

DH Benelux 2024

```
each-group
//tei:rs[@type = 'office'][@subtype][@re
="@ref">
>
<field name="document_type">
  <xsl:value-of select="$subdirectory"
  <xsl:text></xsl:text>
  <xsl:value-of select="$index_type"/>
  <xsl:text></xsl:text>
</field>
<xsl:call-template name="field_file_path"
<field name="index_item_name">
  <xsl:variable name="ref-id" select="
  <xsl:value-of
lect="$offices//tei:list//tei:item[@xml:
</field>
<field name="index_entry_type">
  <xsl:value-of select="@subtype"/>
</field>
<xsl:apply-templates select="current-gro
```

Jan Bigalke, Benedikte Löbber, Claes Neufeind



About

Cologne Center for eHumanities (CCeH)

- Competence center for Digital Humanities at the University of Cologne
- Support for projects with digital components

DFG-ANR-Project: “Unlocking the Hidden Value of Seals: New Methodologies for Historical Research in Byzantine Studies”

- Cooperation project between Dep. for Byzantine Studies in Cologne and Paris.
- Aim: digitization and description of four collections (approx. 4000 Seals)
 - **SigiDoc** as metadata standard for seals
 - Digitize all seals with **RTI**
 - Digital presentation of seals with **EFES**
 - **Webhooks** as a simple solution to combine distributed collections of seals.

What are Byzantine Seals?



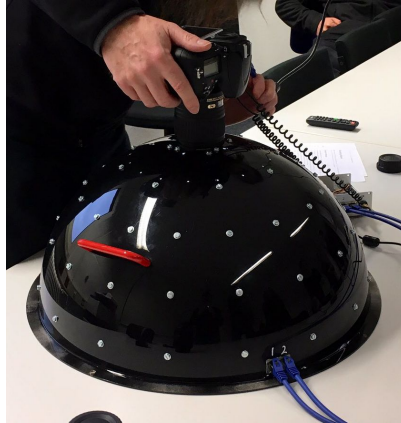
Reflectance Transformation Imaging (RTI)

- Taking **multiple images** of an object from **different lightning angles**
- Process them to produce **interactive “relightable“ images** with a movable virtual light source
- **Enhances details** of the surface structure
- Can **improve legibility** of damaged and corroded seals



RTI

- Fixed array of lights
- Automatic operation
- more precise lighting
- easier to operate
- speed! (2-3 min vs. 15min up to ~1-2 hrs per object)



SigiDoc is...

An XML-based & EpiDoc-compliant encoding standard for the digital scholarly edition of Byzantine seals and the digitally enhanced conversion of paper-published editions

```
mirror_mod = r
    # Create mirror object to mirror
    mirror_mod.mirror_object = r

    # MIRROR_X
    operation == "MIRROR_X":
        mirror_mod.use_x = True
        mirror_mod.use_y = False
        mirror_mod.use_z = False
    # MIRROR_Y
    operation == "MIRROR_Y":
        mirror_mod.use_x = False
        mirror_mod.use_y = True
        mirror_mod.use_z = False
    # MIRROR_Z
    operation == "MIRROR_Z":
        mirror_mod.use_x = False
        mirror_mod.use_y = False
        mirror_mod.use_z = True

#selection at the end -add
mirror_ob.select= 1
mirror_ob.select=1
context.scene.objects.active
("Selected" + str(modifier
mirror_ob.select = 0
= bpy.context.selected_obj
data.objects[one.name].sel
print("please select exactl

-- OPERATOR CLASSES

types.Operator):
    # X mirror to the selected
    object.mirror_mirror_x"
    mirror X"

context):
    context.active_object
```

EpiDoc Front-End Services (EFES)

EpiDoc / EFES

forked from [kcl-ddh/kiln](#)

Watch

22

Star

17

Fork

26

<> Code

Issues 16

Pull requests 1

Actions

Projects

Wiki

Security

Insights

About the project

Gabriel Bodard edited this page on 13 Feb · 20 revisions

Core project team

- Gabriel Bodard (Reader in Digital Classics, Institute of Classical Studies, University of London): Principal Investigator
- Jamie Norrish (Wellington, New Zealand, author of the Kiln platform): developer
- Polina Yordanova (Sofia, Bulgaria/Institute of Classical Studies): design, specification, training, and user documentation
- Simona Stoyanova (Institute of Classical Studies/Inscriptions of Roman Cyrenaica): training and documentation

Funder

- [Andrew W. Mellon Foundation](#)

Pages 34

Find a Page...

[Home](#)

[About the project](#)

[Authority list spec](#)

[Authority lists](#)

[Basic spec](#)

<https://github.com/EpiDoc/EFES/wiki>



<https://tei-c.org/>



EpiDoc

+

EFES

+

Specific and original work
on sigillographic standards
of edition

<https://github.com/EpiDoc/EFES/wiki>



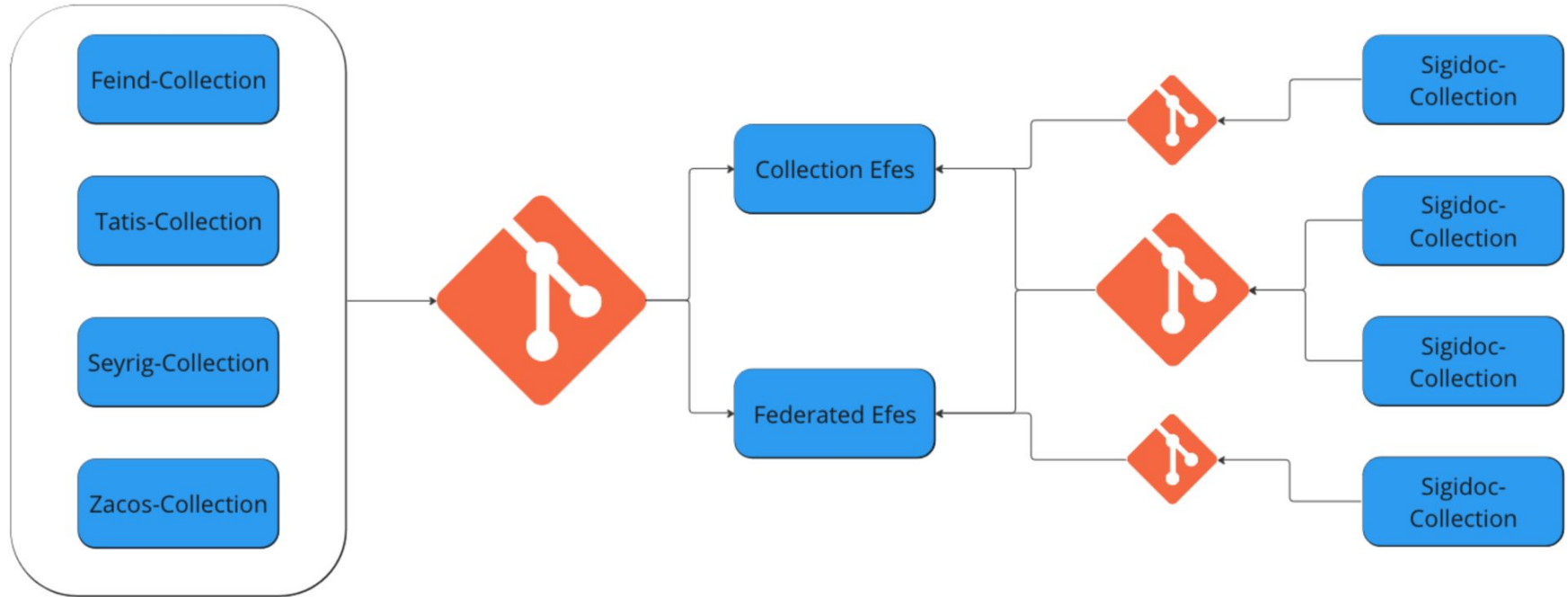
SigiDoc



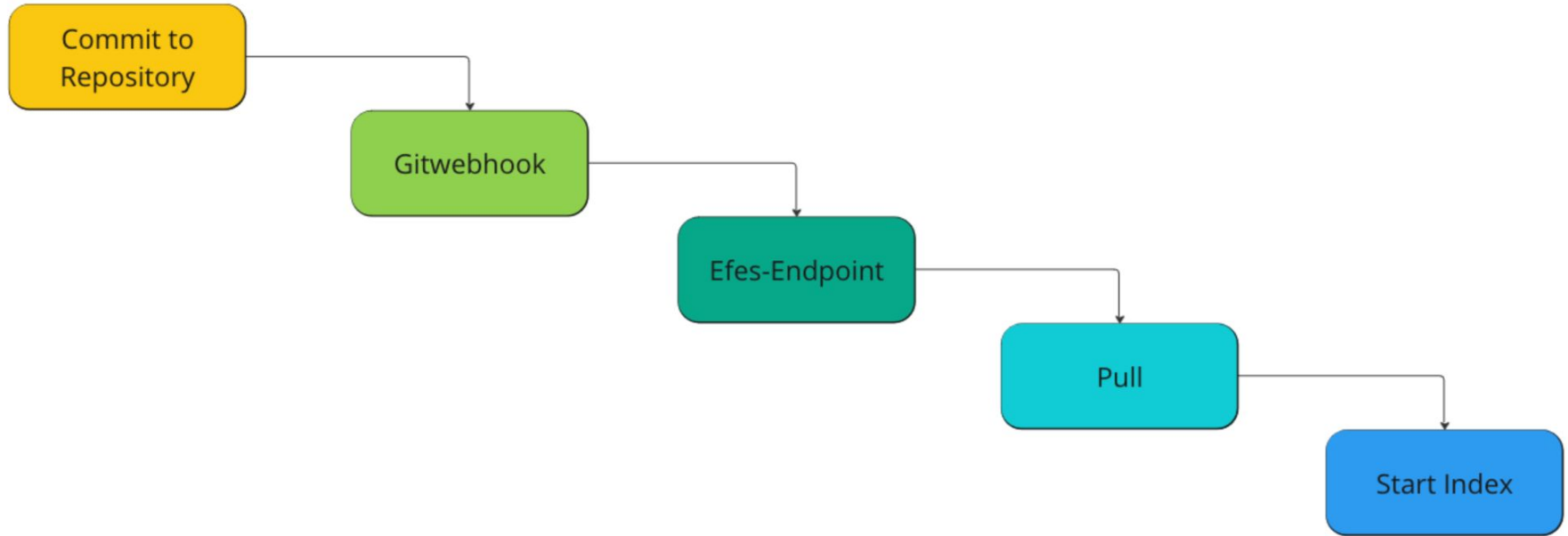
Virtually unified
sigillographic corpus through
common search portal

<https://sourceforge.net/p/epidoc/wiki/Home/>

Infrastructure



Workflow Webhooks



Requirements

Data must be valid to Sigidoc-Schema

Public Git repository, cloned into the Efes Instance which should be connected with via webhook.

Webhooks allow external services to be notified when certain events happen. When the specified events happen, we'll send a POST request to each of the URLs you provide. Learn more in our [Webhooks Guide](#).

● <https://c4dc-193-204-146-242.n...> (push)

Edit

Delete

● <https://sigidoc.cceh.uni-koeln.de/...> (push)

Edit

Delete

Benefits

Easy way to add collections to federated EFES and to keep it up to date.

Projects/Collections keep full control over their data.

Small collections without own EFES Instance can use federated EFES

And what webhooks can't do

Complete absence of humans in the workflow.

We have to trust our data contributors.

Thank you!