

Functionality to Automatically Login in to BEXIS 2 from an External Application

Martin Hohmuth, Steffan Dobritz

Biodiversity Informatics Unit (BDU),
German Centre for Integrative Biodiversity Research

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<http://idata.idiv.de>

Outline

1.Motivation

2.Conceptual Model

3.Technologies

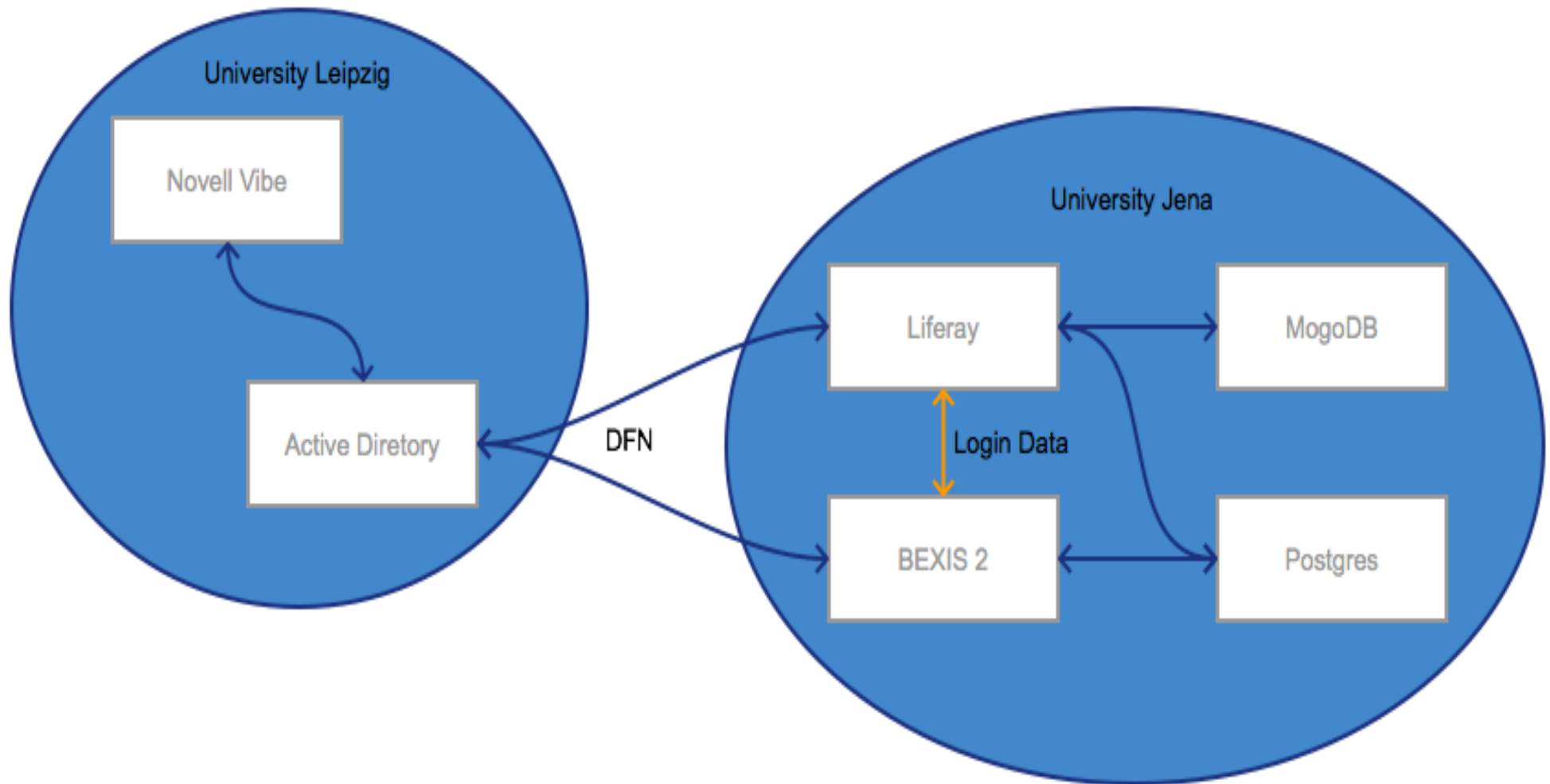
4.Implementation

5.Outlook

1. Motivation

- Different applications within the iDiv Network
 - Example- Novell Vibe, Liferay, BEXIS 2...
- Multiple logins and registration procedures
- Integrating Applications and Services

1. Motivation

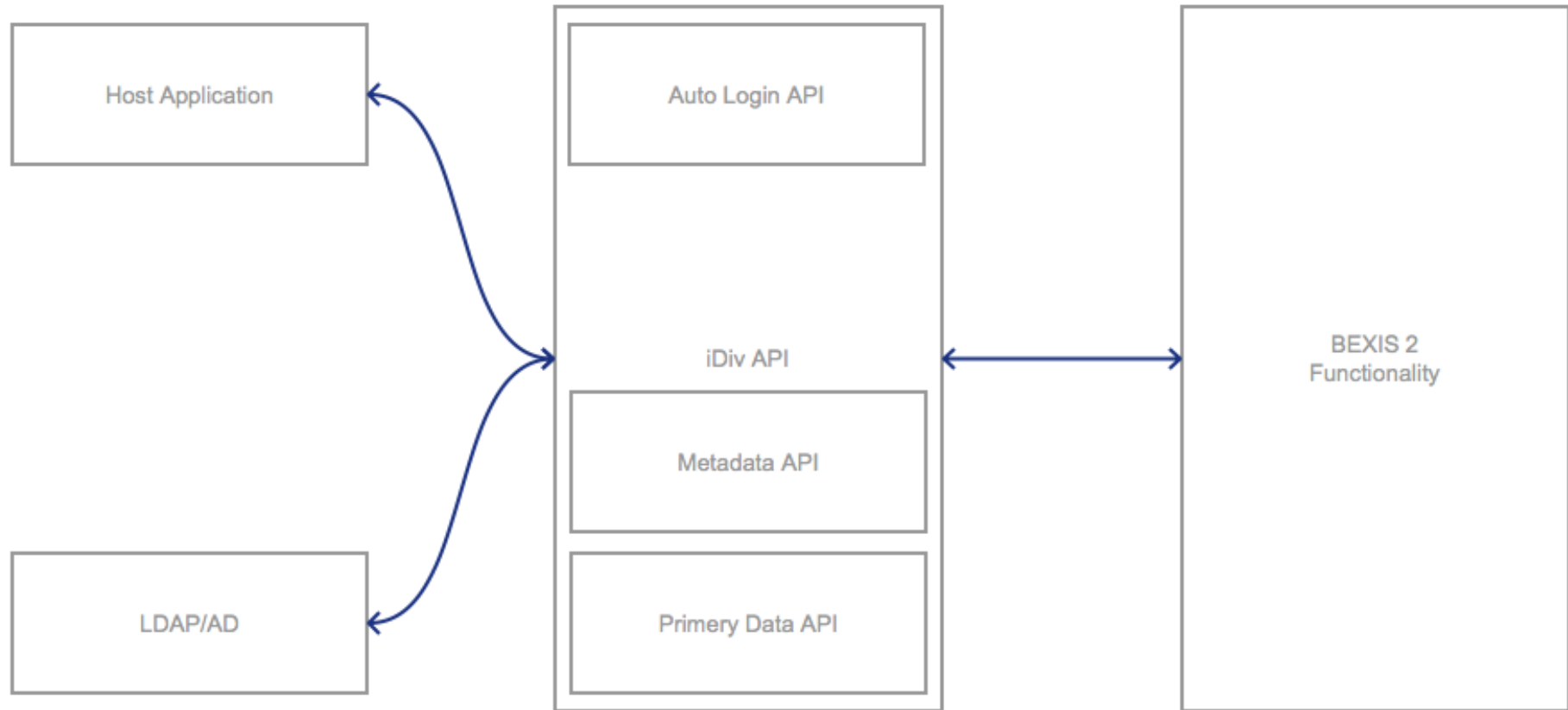


1. Motivation

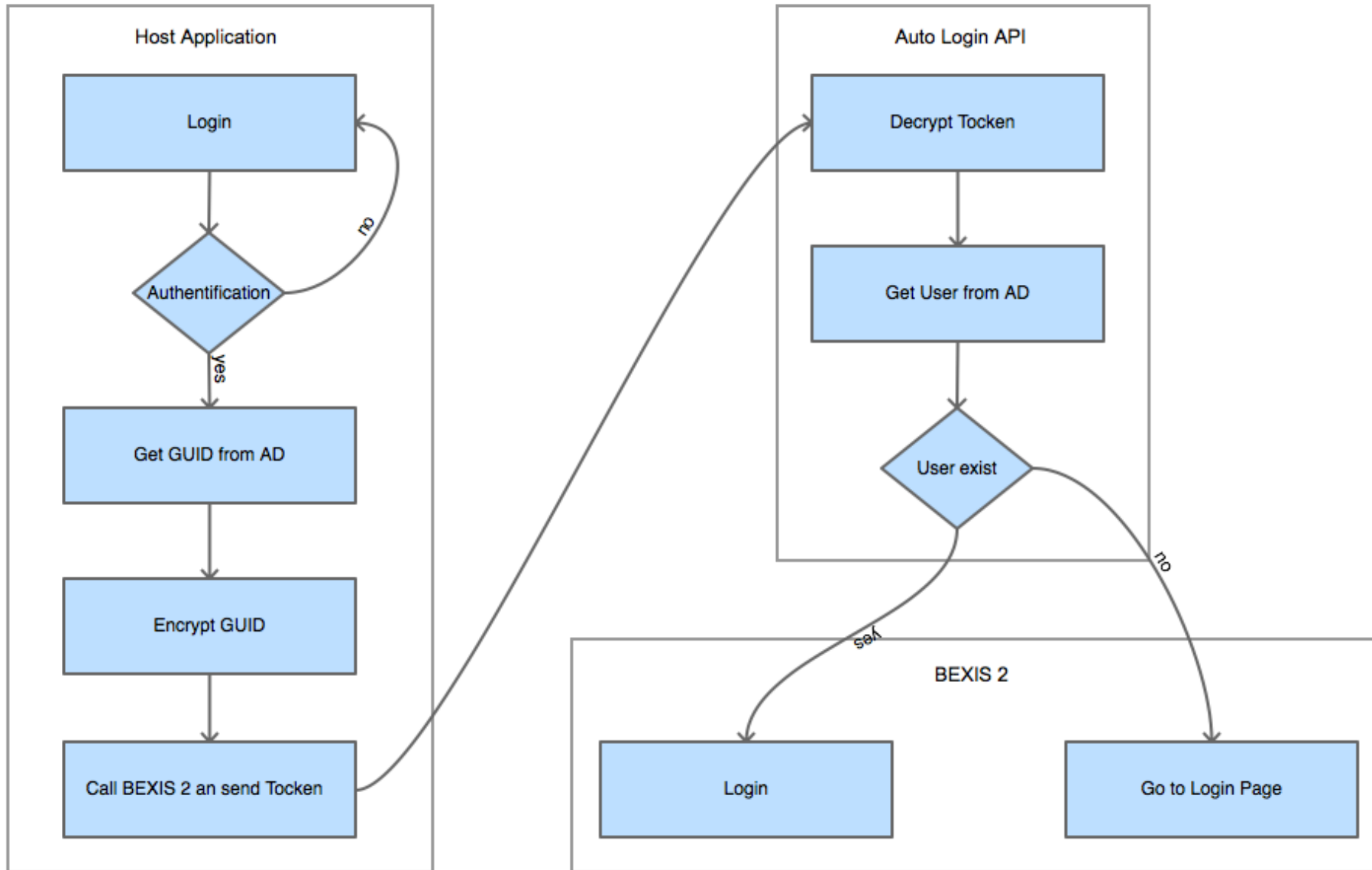
The screenshot shows the iBDP biodiversity data portal interface. At the top right, there is a user menu with 'Admin', 'My Sites', a notification icon with '0', and the user name 'Martin Hohmuth'. The main header contains the iBDP logo and the text 'biodiversity data portal'. Below this is a navigation bar with links: 'iBDP Home', 'Data', 'Data Policy', 'Feedback', 'Support & Helpdesk', 'Contact', 'About BDU', and 'Help'. A secondary navigation bar includes 'Home', 'Search', 'Plan', 'Collect', and 'Administration'. On the right side of the page, it says 'Welcome Administrator!' with a 'Log Off' link. The main content area features a search section with radio buttons for 'New search' and 'Based on previous search', a dropdown menu set to 'All', a search input field, and a 'Search' button. Below the search section is a table with a header 'Drag a column header and drop it here to group by that column'. The table has columns: 'Functions', 'ID', 'Title', 'Owner Name', and 'Dataset Description'. A single row is visible with ID '4', Title 'Effects of predator density and pla...', and Dataset Description 'Manuscript under review'. There are 'Details' and 'Search' buttons in the first column. Navigation controls for the table include '1' and '10' in boxes with arrows, and 'Displaying items 1 - 1 of 1' on the right.

<http://idata.idiv.de>

2. Conceptual Model



2. Conceptual Model



3. Technologies

- iDiv's Biodiversity Data Portal (iBDP) consists of two components
 - Liferay- general user interface
 - BEXIS 2- data management
- Active Directory for Identity Management
- Programming languages-
 - Java (Portlet for Liferay)
 - C# (BEXIS 2 Module)

4. Implementation

- Liferay Portlet
- Creating User Token
 - Get the logged in User
 - Request GOID from AD
 - Encrypting User Token (RSA 2048bit public key)
- Redirect to BEXIS 2 and send Token

<http://idiv-dev1.inf-bb.uni-jena.de:8080/idiv/auth/login?token=UJ65yayHm2NdsoRc0jANQeUJsQZFb5%2BhkpJEvL93SeltP%2FmeLRtBCRxlaEt9cfDolAnITU45iZqQoNqe%2BzSg9iD%2F%2FMTHPKw2VcRIDtB5%2FS%2BcLi1FWrOA1vgdGfcqHDZNimZ9t%2B3vcwbZ8DC1VoymWysl6pfaCu1k6kJTw1EOg%3D>

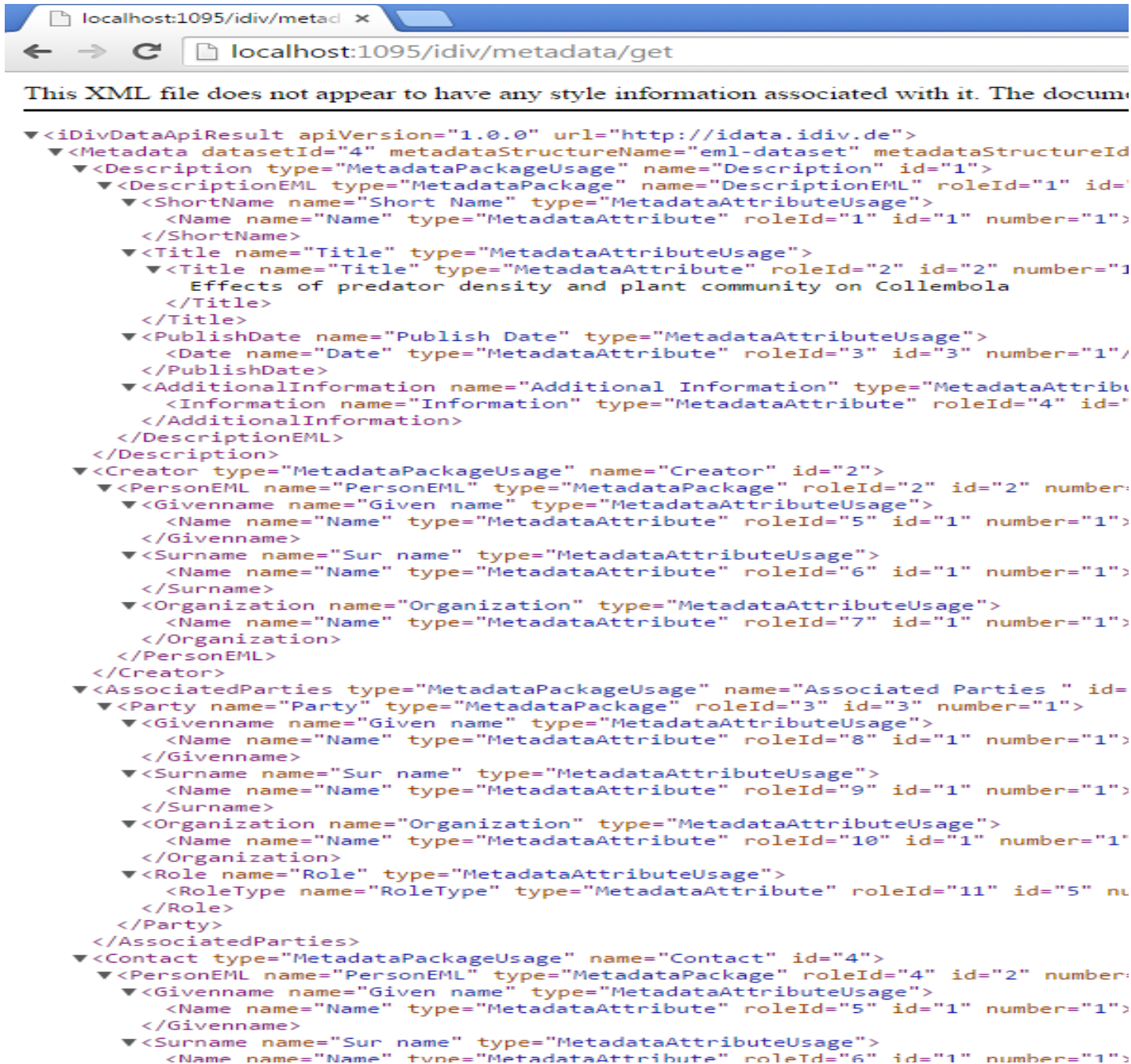
4. Implementation

- BEXIS Module
- Decrypting User Token (RSA 2048bit private key)
- Load User from AD
- Call BEXIS 2 login function and log-in the user

5. Outlook

- More features are under development
- Example-
 - Metadata API
 - Primary Data API

5. Outlook



```
<iDivDataApiResponse apiVersion="1.0.0" url="http://idata.idiv.de">
  <Metadata datasetId="4" metadataStructureName="eml-dataset" metadataStructureId="4">
    <Description type="MetadataPackageUsage" name="Description" id="1">
      <DescriptionEML type="MetadataPackage" name="DescriptionEML" roleId="1" id="1">
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            </Title>
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                <Name name="Name" type="MetadataAttribute" roleId="6" id="1" number="1">
                  </Surname>
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                  </Organization>
            </PersonEML>
          </Creator>
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                </Givenname>
              <Surname name="Sur name" type="MetadataAttributeUsage">
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                  </Surname>
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            </Party>
          </AssociatedParties>
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                </Givenname>
              <Surname name="Sur name" type="MetadataAttributeUsage">
                <Name name="Name" type="MetadataAttribute" roleId="6" id="1" number="1">
                  </Surname>
            </PersonEML>
          </Contact>
        </Metadata>
      </iDivDataApiResponse>
```

THANK
YOU!