

## Purpose

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Provide current user information related to a digital provenance event associated with a resource.

## Digital Provenance Datastreams

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Currently digital provenance events are stored as inline XML datastreams in the Fedora object. Each event is stored as a separate datastream with an identifier beginning with DIGIPROV.

The RUcore Get API will offer a method that will return all digital provenance events in a single XML document. This XML document can then be used to obtain associated entity information depending on the type of event or some other criteria.

## Digital Provenance – Associated Entity

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In the digital provenance event the users RUcore userID will be stored in the `rulib:identifier` element. In the corresponding `rulib:identifierType` element a value will need to be provided that will indicate the `rulib:identifier` is a RUcore userID. This value should be 'local'.

```
<rulib:digiprovEvent ID="DPEVENT-2">
  <rulib:type>Upload file</rulib:type>
  <rulib:dateTime>2014-07-22</rulib:dateTime>
  <rulib:associatedEntity>
    <rulib:name>John Doe</rulib:name>
    <rulib:identifier>jdoe@rutgers.edu</rulib:identifier>
    <rulib:identifierType>local</rulib:identifierType>
    <rulib:role>Super user</rulib:role>
    <rulib:affiliation>Rutgers University Libraries</rulib:affiliation>
    <rulib:email>jdoe@rci.rutgers.edu</rulib:email>
  </rulib:associatedEntity>
</rulib:digiprovEvent>
```

## Obtaining User Information

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Once a user identifier has been found it can be used to interface with the RUcore SSO database application class. This class will return all relevant and current user information from the RUcore SSO database. This includes full name, email address, ORCID(if supplied), etc.

## Legacy Records

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For new records that are submitted through the Faculty Deposit module the `rulib:identifier` value will be known since logging in through RUcore SSO is required and a userID is created when doing so. Adding this value to legacy resources could be troublesome since some depositors are no longer associated with Rutgers and they may have never logged into the RUcore SSO system.

To handle these legacy cases a report will be run identifying all deposits where the author is no longer at Rutgers and hadn't deposited using the SSO system. Once identified empty, stub, user records in the RUcore SSO system will be created.