

# API REST

# Client JavaScript

Vladimir Pasquier - Nuxeo Dev  
vp@nuxeo.com



# Programme

Les Services API

Les Ressources Automation & REST

Les Clients

Documentation

Mise en pratique



# Exercice

Transférer & Décompresser

`atelier-REST-API/nuxeo-rest-api.zip`



# Nuxeo Platform

Pas seulement un entrepôt de données

Fournit des outils pour construire son application

**Configuration Nuxeo Studio**

**SDK, outils de Dev, outils de tests**

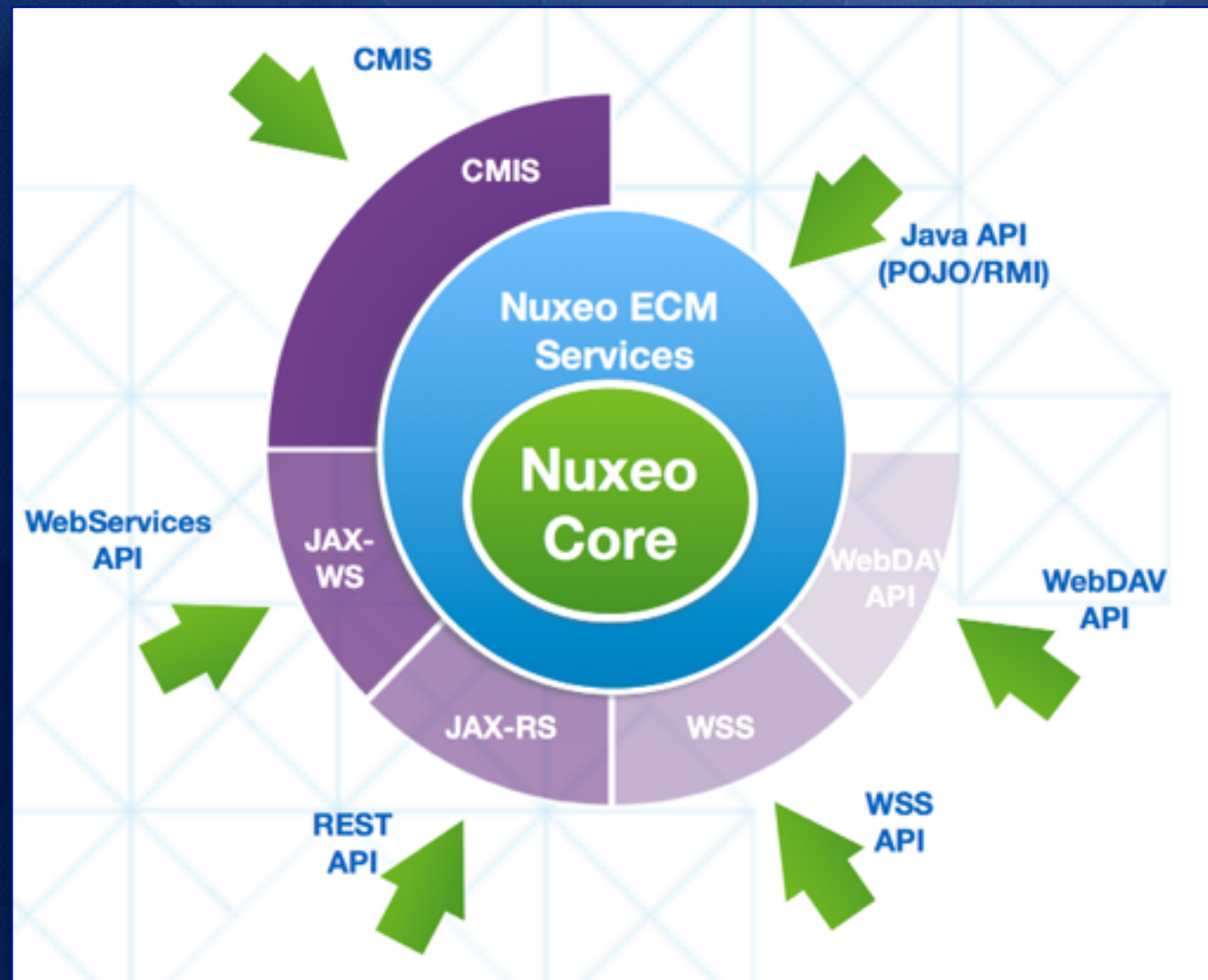
**Outils de packaging et de déploiement**



# APIs



# API - Services





# API REST

Une Architecture

**Méthodes**

GET POST PUT DELETE

HEAD PATCH OPTIONS

**Nom de ressources**

**Codes de réponses**

**Headers, JSON...**



# API REST

Construire les applications Web Modernes

**Retour à l'application cliente pure**

HTML 5 / Javascript

Applications Mobiles

**Le Cloud**

Nuxeo IO + Scalabilité



# Les Ressources



# API Automation - Orientée Opérations

Document.Create

Document.GetChildren

Blob.Attach

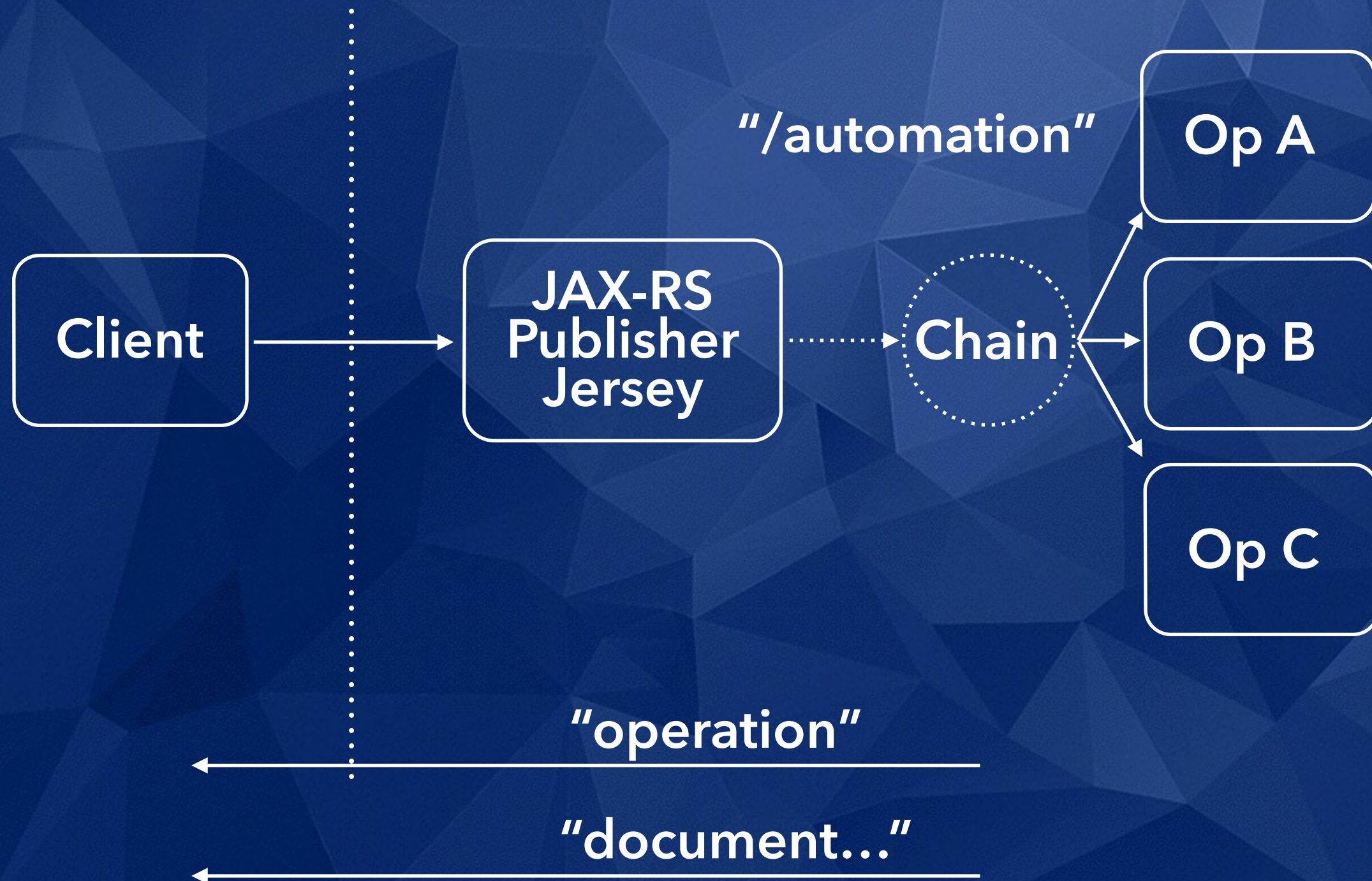
Blob.GetAll

Workflow.CreateRoutingTask

Audit, UI, Conversion, Notification...



# API Automation - Orientée Opérations





# API Automation - Orientée Opérations

*GET /nuxeo/api/v1/automation/Document.PageProvider*

Réponse

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "id" : "Document.PageProvider",
  "label" : "PageProvider",
  "category" : "Fetch",
  "requires" : null,
  "description" : "Perform a query...",
  "url" : "Document.PageProvider",
  "signature" : [ "void", "documents" ],
  "params" : [ {
    "name" : "currentPageIndex",
    "type" : "integer",
    "required" : false,
    ...
  }
}
```



# API Automation - Orientée Opérations

*POST /nuxeo/api/v1/automation/Document.PageProvider*

*Data*      *Content-Type: application/json*

*{"param":{"query": "select \* from Note", "page": 0}}*

*Réponse*

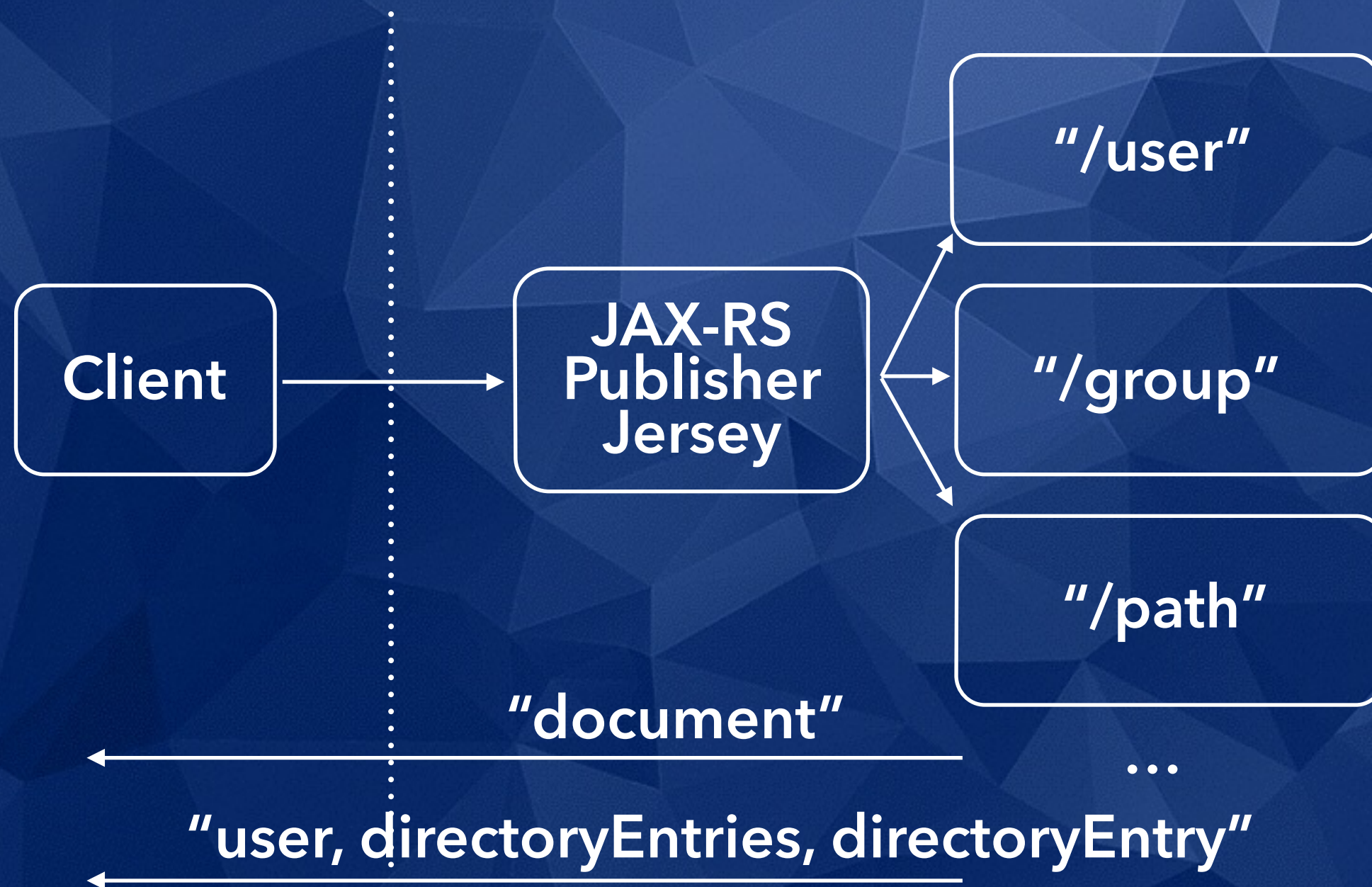
*HTTP/1.1 200 OK*

*Content-Type: application/json*

```
{
  "entity-type": "document",
  "repository": "default",
  "uid": "6a3998e3-6890-45f5-9c19-b708814a9c1c",
  "path": "/default-domain.....",
  "type": "Note",
  "state": "project",
  ...
}
```



# API REST - Orientée Ressource





# API REST - Orientée Ressource

*GET /nuxeo/api/v1/path/default-domain/TestNote*

Réponse

```
HTTP/1.1 200 OK
Content-Type: application/json
{
  "entity-type": "document",
  "repository": "default",
  "uid": "6a3998e3-6890-45f5-9c19-b708814a9c1c",
  "path": "/default-domain.....",
  "type": "Note",
  "state": "project",
  "versionLabel": "0.0",
  "isCheckedOut": true,
  "title": "TestNote",
  "lastModified": "2014-01-20T13:11:29.64Z",
  "properties": [...]
}
```



# API REST - Orientée Ressource

/path/{docPath}

/id/{docId}

/query

/user/{userName}

/group/{groupName}

/path/{docPath}/@children

/path/{docPath}/@acl

/path/{docPath}/@audit

...



# Content Enrichers & Schemas

X-NXContext-Category

Thumbnail

ACLs

Preview

X-NXDocumentProperties: dublincore



# API REST - Clients

Java

**Javascript**

iOS

PHP Automation

Android

Python



# API - Documentations

Nuxeo Playground: <http://nuxeo.github.io/api-playground/>

<http://localhost:8080/nuxeo/api/v1/doc>

<http://localhost:8080/nuxeo/site/automation/doc/>

Nuxeo Documentations: <http://doc.nuxeo.com>

Nuxeo Answers & Support



`{code}`  
Open README.html