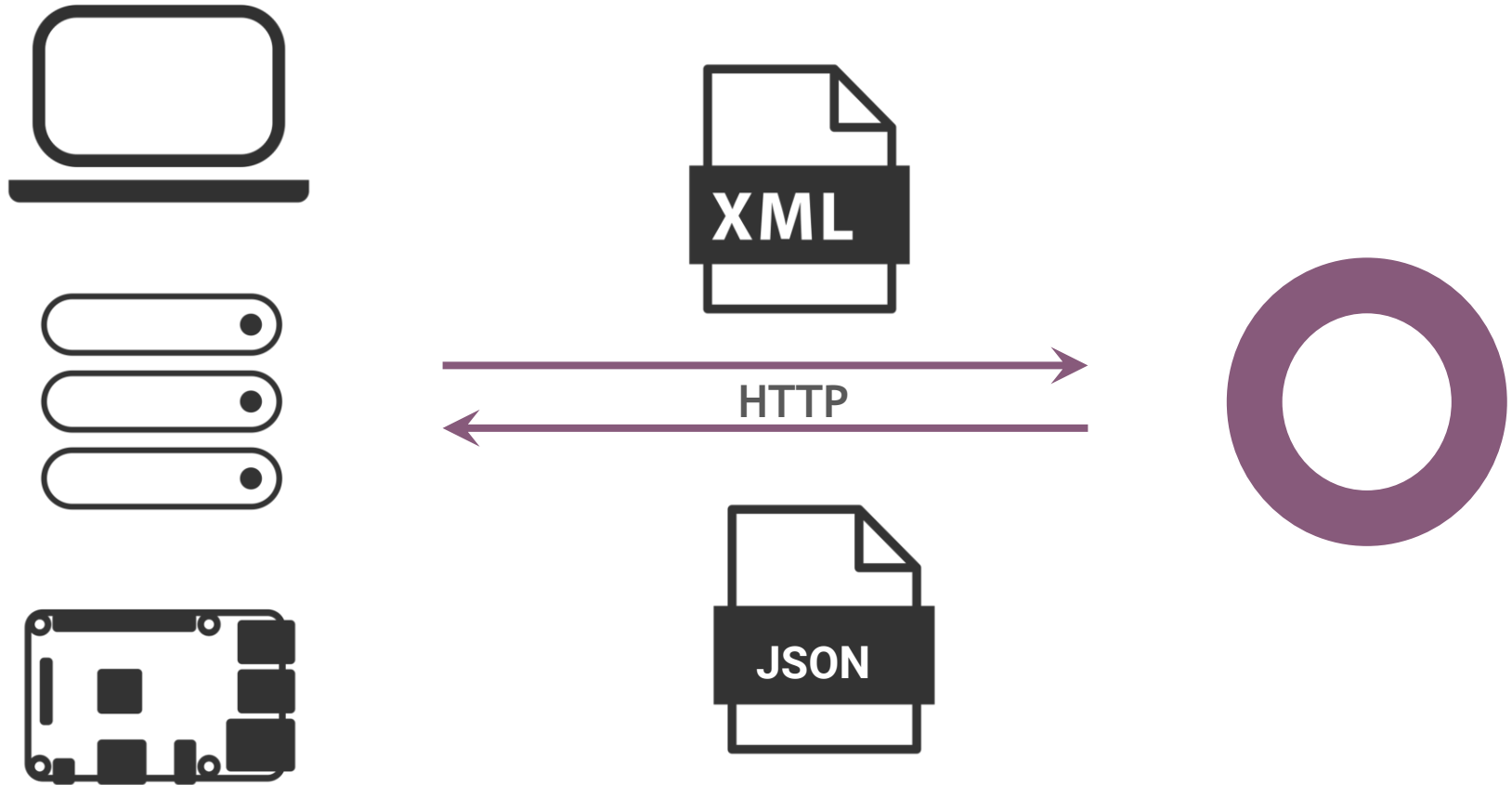


XML RPC

Best practices to use the API to connect external tools

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XML/JSON RPC



Strengths

- Libraries in many languages
- ACL and Record Rules respected
- Access to any object and public method (no _)

=> Also on SaaS!

https://www.odoo.com/documentation/9.0/api_integration.html

Goal

Make stress tests using XML RPC

We can access to all the data and public methods in Odoo using the XML RPC protocol.

Tools

xmlrpclib

```
URL = 'http://localhost:8069'
```

```
DB = 'testDB'
```

```
USERNAME = 'admin'
```

```
PASSWORD = 'admin'
```

```
common = xmlrpclib.ServerProxy('%s/xmlrpc/2/common' % URL)
```

```
uid = common.authenticate(DB, USERNAME, PASSWORD, {})
```

```
models = xmlrpclib.ServerProxy('%s/xmlrpc/2/object' % URL)
```

```
project = models.execute_kw(DB, uid, PASSWORD,  
    'project.project', 'search_read',  
    [[['name', '=', 'My Project']],  
    {'fields': ['name', 'product_id', 'attribute_ids'],  
    'limit': 1}  
)
```

Tools

openerplib

```
import openerplib

connection = openerplib.get_connection(hostname="localhost",
    database="my_db", \
    login="my_user", password="xxx")
user_model = connection.get_model("res.users")
ids = user_model.search([("login", "=", "admin")])
user_info = user_model.read(ids[0], ["name"])
print user_info["name"]
```



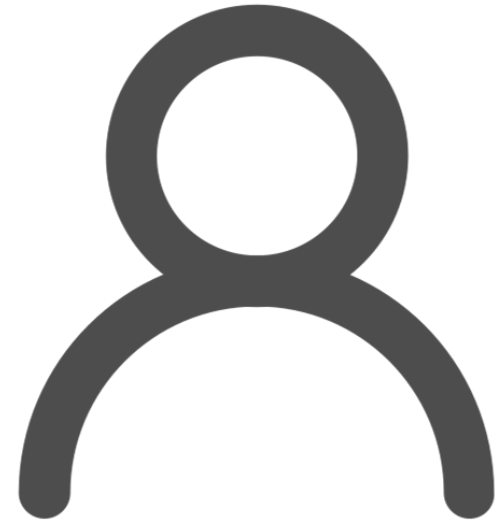
Create a **test scenario**

1 Create a sale order with 5 lines

2 Confirm the sale order

3 Create an invoice

4 Confirm the invoice



Thank you.



#odooexperience

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