
SIBIS Documentation

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Scalable Informatics for Biomedical Imaging Studies

SIBIS is python middleware for supporting clinical data management activities. It provides a common session object with access to imaging, form, and issue databases.

API Reference

This document is for developers of sibis, it contains the API functions.

Session Component

class `sibis.session.Session` (*config_path=None, connect=None*)

Bases: `object`

Main object that provides logging, data connections, and issues management.

config_path: Path to `sibis_config.yml`. Or set path as `SIBIS_CONFIG` environment variable (default: `~/sibis-operations/sibis.config`)

connect: connects to all servers (default: `None`)

configure ()

Configures the session object by first checking for an environment variable, then in the home directory.

connect_servers ()

Connect to servers, setting each property.

Logging Component

class `sibis.logger.Logging`

Bases: `object`

SIBIS Logging Module

info (*uid, message, **kwargs*)

Replaces `logging.info`

Getting Started

To use `sibis` you need to have access to an XNAT server and a REDCap server.

```
import sibis

# Create a Session with configuration
session = sibis.Session(config_path="/path/to/config.yml")

# Use the logger for structured log format
session.logging.info('id', 'err', **kwargs)

# Connect to the configured servers
session.connect_servers()

# Access the XNAT API
projects = session.api_imaging.select.projects()

# Access the REDCap API
data_entry = session.api_data_entry.export_records(format='df')
import_laptops = session.api_import_laptops_.export_records(format='df')
```

Related Projects

- ncanda-data-integration: <https://github.com/sibis-platform/ncanda-data-integration>

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