

### \*What is it? \*What does it do? \*Why was it made? \*How does it work? To Puna Matauranga o Acteuros NATIONAL LIBRARY OF NEW ZEALAND

# Rosetta SIP Factory: What is it? • The SIP Factory is a Python library. • It helps you make Submission Information Packages. • More specifically, it helps you make SIPs for the Rosetta Digital Preservation application. To Puna Matauranga o Actearga NATIONAL LIBRARY OF NEW ZEALAND

### Rosetta SIP Factory: What is it? Rosetta: So what's that? It's a commercial application developed by Ex Libris (A ProQuest Company) National Library of New Zealand was a development partner of Rosetta It uses METS to structure the descriptive and technical metadata for SIPs, AIPs and DIPs Uses the dmdSec, amdSec, fileSec and structMap METS sections Implements a flavour of PREMIS called DNX

#### Rosetta SIP Factory: What does it do? • It builds SIPs (or more to the point, helps you build SIPs)... ...but only if you're happy to do a little coding! • Built to accommodate edge cases in NLNZ's digital collection and preservation workflows • Intended to have a relatively low barrier to entry... ...but does not have "training wheels" built in!

## Rosetta SIP Factory: What does it do? The sip\_builder module has three functions: build\_sip() build\_sip() build\_sip, file\_sip() build\_sip, from\_json() They all take Dublin Core metadata, and they have parameters for sections of DNX metadata. build\_single\_file\_sip takes a single filepath; build\_single\_file\_sip takes a single filepath; build\_sip fame\_son access derivative (only pres master is mandatory); build\_sip\_form\_json takes a json document with DNX values, filepaths, checksums, etc.

## Rosetta SIP Factory: Why was it built? • It was built for edge cases! • NLNZ is quietly fostering a new generation of technically-savy librarians, who are quite keen on Python. • They wanted a code library that would allow them to implement custom business logic, without the technical and resourcing overheads of conventional dev work • Offers staff a chance to explore their own ideas about new workflows



