## Integration of 'OO' into Muli & Ngipi Open Business Accounts

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#### Scope

- Background
  - Who are Muli and Ngipi
  - What do we do
  - Baggage, Environment
- Objectives from version N and OO
  - Risk2do
- OO solution
  - Typical Documents
  - OO Elements
  - Templates
  - Management

### Acknowledgements

- I am NOT a OO expert.
  - (I dream, others do)
- My thanks to the Muli team
  - Anne (who will field technical questions)
  - Tim
  - Chris (who stayed at the office to support our clients)
- Jonathan Coombes for OO tech support.
  - OO OpenOffice.org

#### Muli Do

Not simply a accounting package

- Muli provide
  - Project Oriented accounts
  - Each Project makes Contribution to Overheads
  - Budgets, Orders, Payables, Receivables, P&L,
     Balance sheet, BAS, Payroll
  - Project risk,
  - Process Management
  - Solution for project oriented Business

### Muli History

- Started 1982,
- Durango, Molecular, Osiris, Bull
- Zenix, Unix System V, Unixware, Linux
- Construction industry
- Australia, Indonesia, Hong Kong

#### Development Environment

- Original 'Star Basic'
- Compiled and Linked C based runtime
  - RM Cobol (dropped)
- Continually enhanced using
  - Tcl/TK & C
  - Major User interface extensions 'N'

### Data Storage.

- Muli utilise:
- Disam as primary data Storage
  - Speed
- PostgreSQL where user data interface required.
- OO uses standard OO formats.

# 'Ngipi' Open Business Accounts

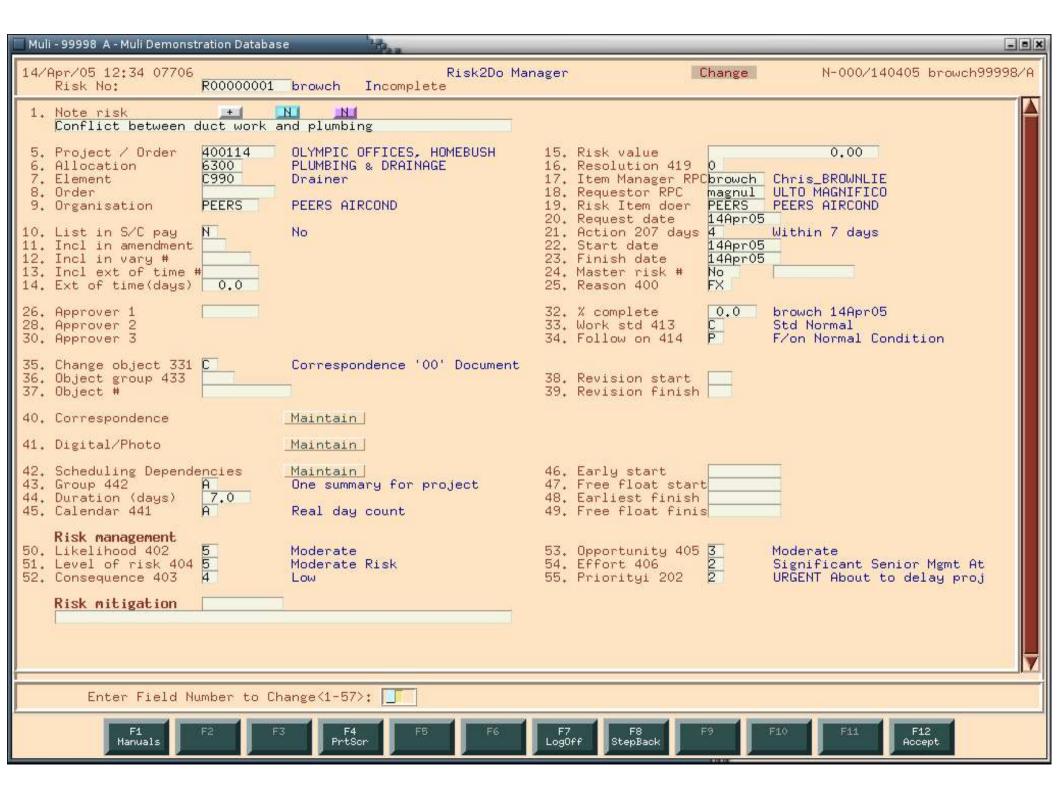
- In 2004 we announced our intention to Open Source the basic accounting functions with version N - Budgets to General ledger
- The effort to implement Version N & take existing 600+ application programmes to 'open review' has proven to be a major task
- Target date for release 1<sup>st</sup> quarter 06.

#### Muli Associates

- While the base Accounting solution will be released as open source.
  - including Correspondence Manager.
- Muli Associates (extended source code access):
  - Companies or Individuals
  - providing regional sales & support services
  - Professionals, able to understand & implement the processes required for a particular vertical market.
  - Obtaining 'fee for service' support above Ngipi

#### Version 'N'

- Tcl/tk Thin Client
  - Abandoned (after 3 starts)
  - NoMachine NX Client & server adopted
     OO performance on Client server satisfactory.
     Reduced implantation issues.
- Reconfigured Input & Application development environment
  - User interface
  - Notes facility
  - Risk2Do

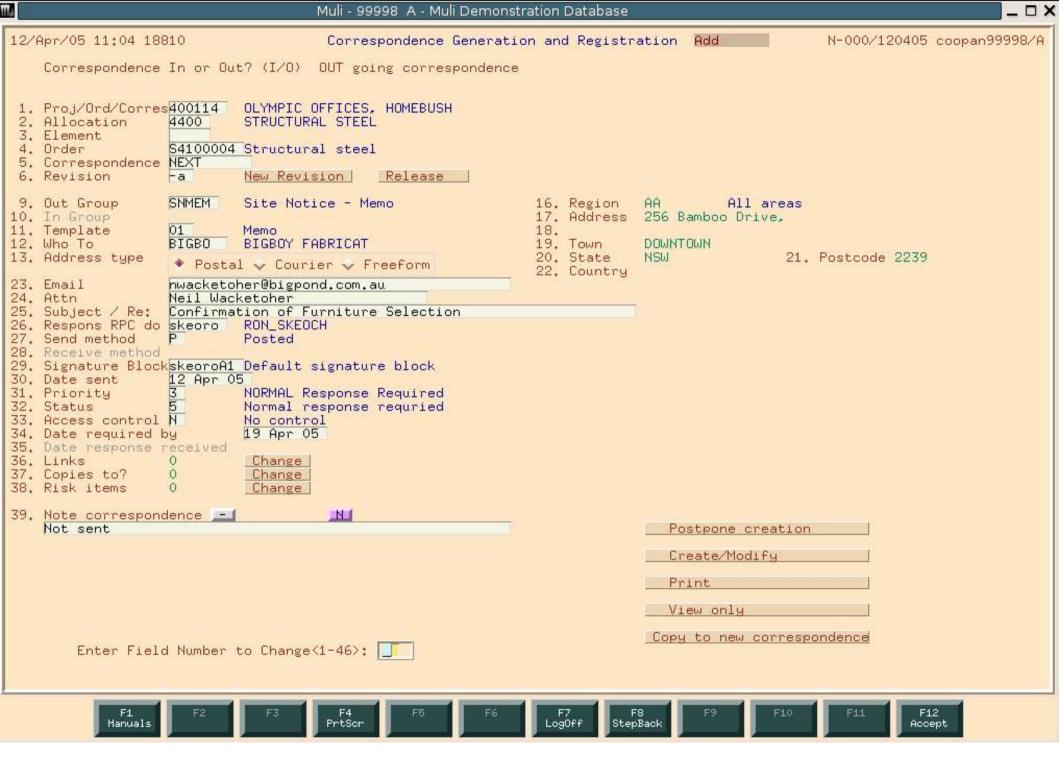


### Muli requirements 00

- Server registration & storage of:
  - All correspondence
  - Templates
  - Substitution of application's values
  - Acceptable user response times
  - Access control

### Typical Documents

- Project Memo
- Subcontract Document
- Head Contract Progress Claim



#### Elements of OO file

- The W00050001--.stw file unzip
  - METTA-INF/manifest.xml
  - Pictures/image.gif
  - content.xml
  - Layout-cache
  - meta.xml
  - Mimetype
  - settings.xml
  - styles.xml

#### Muli Template

- Header
- Body
  - Unprotected
  - Protected
  - Process informational (not printed)
- Signature block

- Head Contract Variation Advice
- HC Extension of Time Advice
- Purchase Order Creation
- Subcontract Creation
- Amendment Creation
- Subcontract Final Certificate
- Adjustment/Credit Note
- Income Order Confirmation
- Income Order Amendment
- Head Contract Claim Lump Sum
- Head Contract Claim Cost Based
  - Site Management Meeting
- Labour Order Creation
- Labour Order Amendment
- Subcontract Internal Pay Advice
- Subcontract Progress Payment

- Site Notice Creation
  - •- Site Memo
  - •- Site Letter
  - Corrective Action Request
  - Subcontractor/Supplier Breach
  - •- Employee Breach Notification
  - Hazard Notification/Complaint
  - Confined Workspace Permit
  - Hot Work Permit
  - •- Request for Information
- Subcontract Internal Pay Advice
- Subcontract Progress Payment
- Document Trace Issue
- Document Trace Receipt
  - •-Minutes

#### Subcontract Definition

 All process Control and Accounting data entered in application.



### Template Substitutions

- Application programme places all sed substitutions into a file.
- The OO template is unzipped.
- The sed substitution file is then applied to the content.xml & styles.xml.
- Document zipped, named with .sxw
- OO opened with required document for normal processing.

### Correspondence Enquiries

- How to find a document
  - Correspondence Data stored contract wide basis may include a number of legal entities.
- Security administration
  - Allowed access to the company
  - Allowed access to the project
  - Allowed access to the document



### Acronyms

- Muli's Acronym
  - ARPMA
  - Agile Risk & Process Management with Accounts

- Questions

### Follow up

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- Muli web site: www.muli.com.au
- Correspondence User Manual
  - www.muli.com.au/N/man/181
- Risk2Do User Manual
  - www.muli.com.au/N/man/072