Registrations are Easy
History

- Registered in 1991
  - To Dr Lisse
    - Personally
  - by Dr Postel
- Some Administrative Redelegations
  - NAMIDEF
  - Dr Lisse
  - NA–NiC
NA-NiC

- Close Corporation
- 3 Members
- No Shareholders
- Limited Liability
- Procedure and Policy
- 1st level Registry
Omadhina

- Registry Operator
- Close Corporation
- 3 Members
- [http://www.omadhina.co.na](http://www.omadhina.co.na)
1st Registrar
Close Corporation
3 Members
Resellers
http://www.ondis.co.na
• Mixed Zone
  • 104 1st level domains (2006–12–06)
    • lisse.na, com.na, co.na, etc
  • 1395 2nd level domains
    • na-nic.com.na, ondis.co.na, etc
  • 21 domains on hold/suspended
    • Unpaid Invoices
• No E-Commerce in Namibia
• 50 Acts contain provisions
• Contract on Paper
• Signatures, Initials, Witnesses
• Black ink, Revenue Stamp

http://www.ondis.co.na/agreement.pdf
Pricing

- No Residency Requirement
  - Namibian
  - SADCC
  - Foreign
- Structured
- Top Level

http://www.ondis.co.na/pricelist.php
Nameservers

- NA Zone
  - merlin.net.na
  - ns-ext.isc.org
  - nasans4.nasa.gov
  - ns-na.ripe.net
  - aunic.aunic.net
Nameservers

- COM.NA (1212)
  - linux.lisse.na
  - dns5.denic.de
  - Ins0.ma.nic.nu
- CO.NA (7)
  - linux.lisse.na
  - dragon.omadhina.co.na
  - ruby3.oasys.com.na
NS Hardware

- NA
- Don’t know
  - Don’t really care
- It ain’t broke
- Don’t need to fix it
  - I have a Cunning Plan (TM)
NS Hardware

- *.NA
  - Off the Shelf Intel PCs
  - UPS
- DE-NIC, NU-NIC
  - see Previous Slide
• NA

• See Previous Slide
  (Don’t Know, Don’t Care, etc)
NS Software

- .*NA
- Linux
  - SuSE
    - 7.3, 10.1
    - BIND
  - Ubuntu
Software

- mySQL
- 3 Simple Tables
- Data is not Normalized
- Perl
- CPAN Modules
  - DBD/DBI
  - Sendmail
  - Yahoo Currency Converter
Software

- SSH
  - Upload of the Top Zone via SFTP
- Editors
  - (X)emacs
  - Alpha
Software

- LaTeX
- Typesetting Software
  - WYGIWYD
  - LyX
- PDFLaTeX
- CVS
Software

- Registration (Template based)
- New/Modify Domain
- Perl Script
  - mysql
- Linux
  - mh, nmh, exmh
- OS X
  - Thunderbird, Pashua, CocoaDialog
Software

- Zone File Generators
  - Perl Scripts
    - mysql
    - SOA Serial Number
    - Glue Records
      - Due Diligence
  - Upload of Top Zone via SFTP
- Crontab or Manual
Software

- Zone File Management
- Suspend/Delete
- Perl Scripts
  - mysql
  - status field
  - deletion proper
- Manual
Software

- Zone File Backup
- Shell Script
  - mysql\text{ldump}
  - uu\text{enview}
- Crontab
- E-mailed to Several Locations Daily
Software

- SQL-Ledger
- Open Source
  - Perl
  - PostgreSQL
  - Apache
- RTFSC

http://www.sql-ledger.com
Software

- SQL-Ledger
- API
  - Annual Renewals
- PostgreSQL (directly via Perl)
  - AAAR Statements
  - VAT Forms
- Excellent Commercial Support
- RTFM
Workflow

- New Domain
  - Application Template
  - Agreement
- Invoice
- Payment
- Registration
Workflow

- Delete Domain
- Application Template
- Authorization
- Removal
Workflow

- Annual Renewal
  - Perl Script
    - PostgreSQL (direct)
    - Sales Orders (API)
  - SQL-Ledger
    - Due Diligence
    - Invoice
    - E-Mail
Workflow

- VAT Payments (Alternating Months)
  - Perl Script
    - PostgreSQL (direct)
    - PDFLaTeX
  - List of AR/AP Invoices
  - VAT Form
Future Plans

- Registry Automation
  - EPP
- Registrar Automation
  - EPP
- Web Interface
- Billing Automation
- Statistical Analysis
  - http://www.r-project.org
Namibian Network Information Centre (cc)

Dr Eberhard W Lisse
dns-admin@na-nic.com.na