

meter2cash Ltd.

meter2cash www100 Internet Information System





Internet Information Service for Utilities

Utilities Interest in the Internet is high

- 62% believe it will be critical to their futures
- 1,200 Utility hosted sites expected in USA by end 1998
- Neighbouring "dream" segments have already demonstrated the value it has become a "must have" for modern utilities
- Realisation barriers and cost expectations are low

But application know-how poor

- 58% of Utilities see the internet simply as a channel to promote services and products
- Less than 20% believe it will lower the costs of account management
- Having a "home page" is the goal

However

Neighbouring segments and leading utilities are already understanding the real benefits of an interactive Internet presence



End User Reporting

- Provides data to the end user in a simple format
- Enables the customer to understand his profile
- Enables the Utility to "communicate" via the Internet

Key Account Management

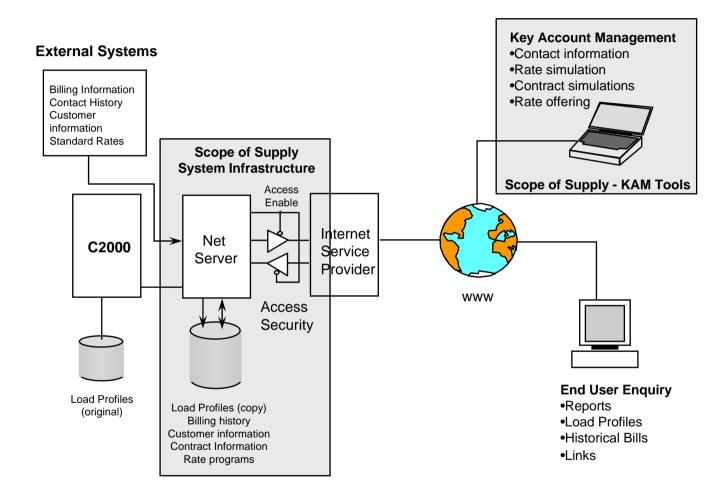
- Enables remote KAM activity via low cost open channel
- Supports visualisation and simulation tools to aid the sales process
- Allows KAM to have access to the most up to date information for effective selling

Meter Data Service

Provides for new MDAA requirements

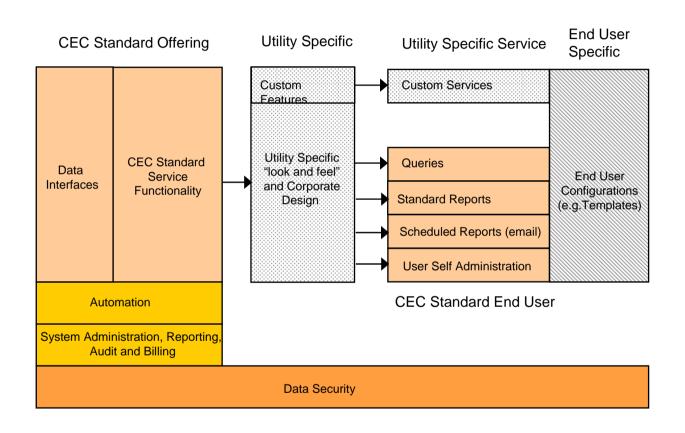


Solution Outline

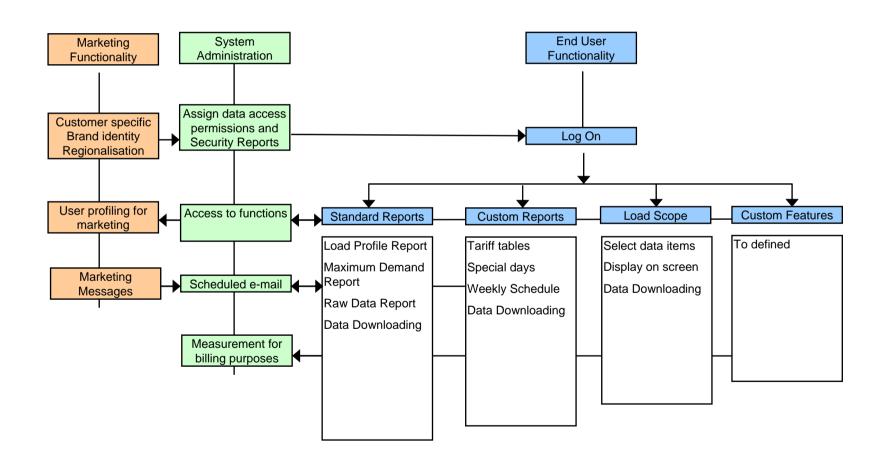




Major Functional Blocks

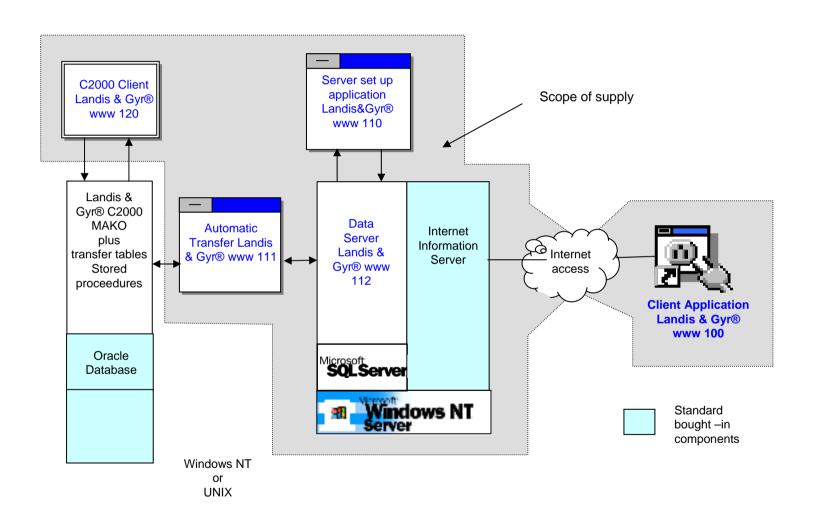


From front office to back office - the total solution



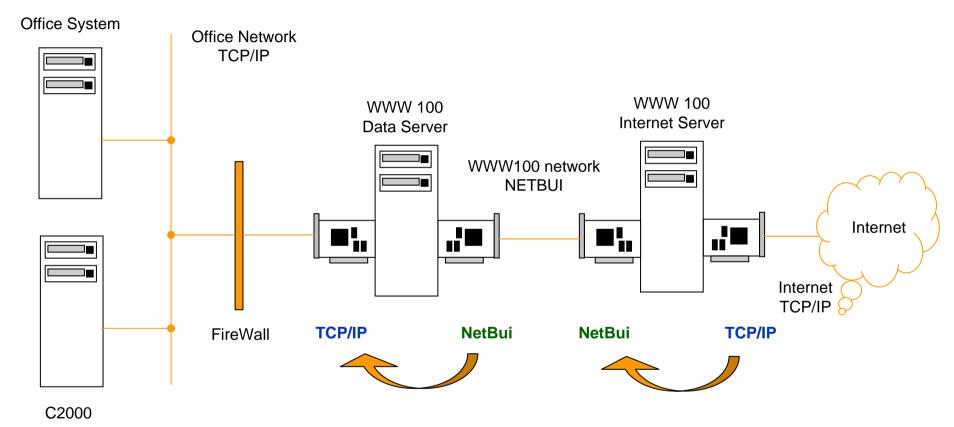


System overview





System Security – Protection through a protocol barrier



Protocol translation stops TCP/IP packets from the Internet reaching the office network



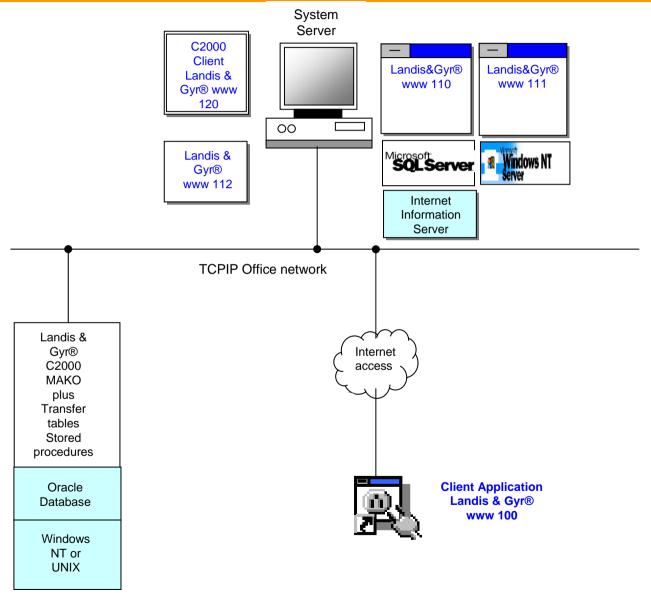
Server Certificate

System Security – Secure Socket Layer – Industry standard Encryption

Data packet encryption Username *@4\$|¢|| *@4§|¬¢|| *@4§|¬¢|| *@4§|¬¢|| Username Password #d§§°′′"!!po #d§§°′′"!!po #d§§°'"!!po-#d§§°'"!!po **Password** Data Data àöüä178éé? àöüä178éé? Data Data WWW100 Client WWW SSL Hash SSL Hash Internet Server Encryption Encryption Encryption Encryption Access Log on Control **User Authorisation** Client Certificate



Example Configuration





Underlying technologies

Delphi Client application and executables

Fast to develop

Extensive range of components available

Enables very rapid GUI prototyping enabling early customer presentations

Stable

MicrosoftTM Standards

Windows NT V4.0, SQL Server, Internet Information Server

Industry standard and available world wide

Rapidly developing know-how base

Will continually improve

Platform

Pentium PC just gets better and better



Example Component build

System Software

www.100 end user reporting application

www.111 automatic transfer application

www.110 server set up application

www.112 data server script and procedure pack

Hardware Specification

Pentium II 400MHz Plus

256MRAM

4.3GB disk for OS

18+GB disk for profile data

Display, keyboard etc

DAT drive 12/24GB

Software

SQL server V6.5 +

NT server option pack 4

NT server service pack 4

Optional Items

Printer

UPS

RAID controller

Software

C2000 or Athena

www.120 client

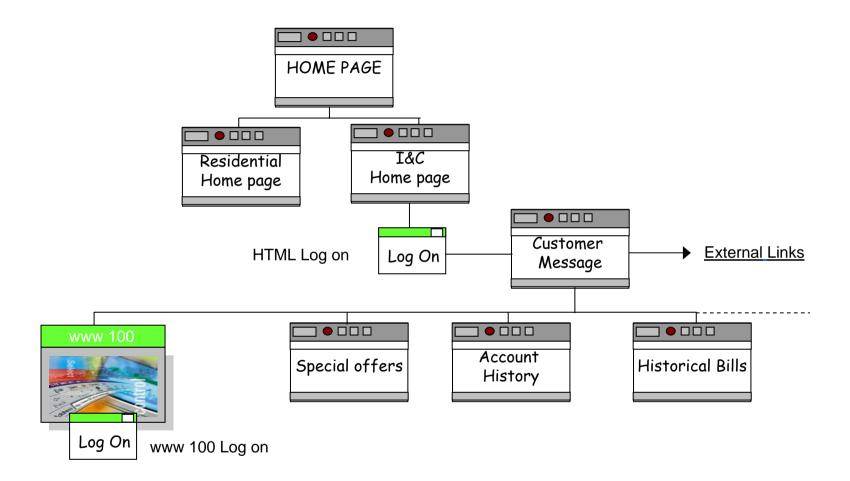
Technical and

commercial clients

Back up software

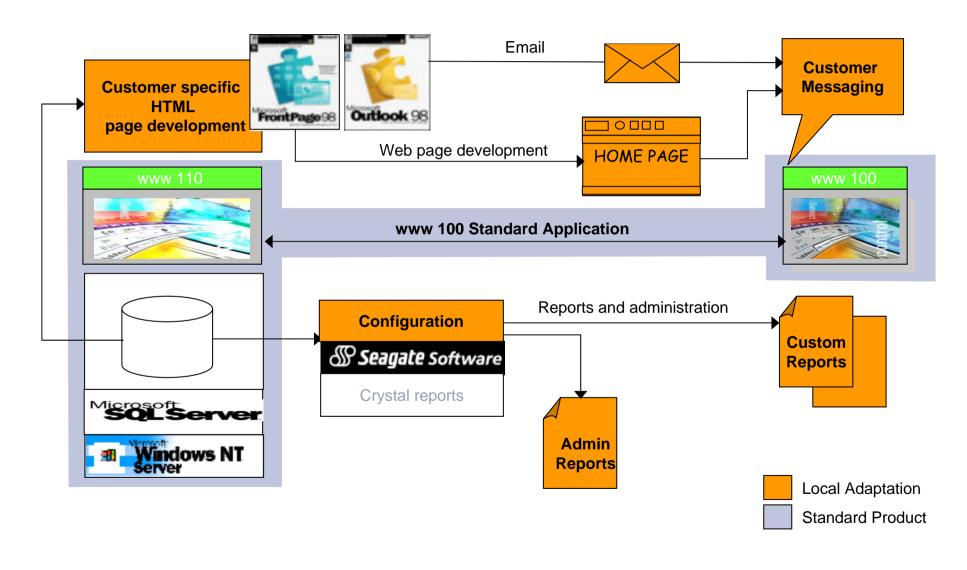


Imbedding www100 within the web site





From front office to back office - the total solution







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