A System Architecture based on Open Standards
Immunisation Handbook

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Requirements

- Portability
  - CD-ROM, Intranet, Internet
- Security
- Search ability
- Integration & Syndication
- Extensibility

Why open Open Standards ?

- Low cost solution
- Flexibility
  - Licensing
  - Functionality
- Support
- Performance
- Security

Technologies

- XML
  - Widely accepted standard for data storage and exchange
- Java
  - Operating system independent
  - Preferred language of open-source community
- HTML
  - Common delivery technology
- PDF
  - De facto standard for electronic publishing

What can you do with Open Data ?

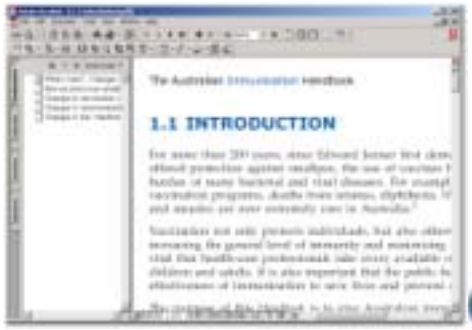
High-level Architecture

Sample XML

```
<?xml version="1.0" encoding="iso-8859-1"?>
<SECTION ID="S-1.1">
  <TITLE>1.1 Introduction</TITLE>
  <PARA>For more than 200 years, since Edward Jenner first
  demonstrated that vaccination offered protection against smallpox,
  the use of vaccines has continued to reduce the burden of many
  bacterial and viral diseases. For example, as a result of successful
  vaccination programs, deaths from tetanus, diphtheria, <EMPH
  TYPE="ITAL">Haemophilus influenzae</EMPH> type b and measles
  are now extremely rare in Australia.<REFREF IDREF="S-1.10-R-1"/>
  </PARA>
  <PARA>Vaccination not only protects individuals, but also others in
  the community, by increasing the general level of immunity and
  minimising the spread of infection. It is vital that health-care
  professionals take every available...
```

Sample HTML

Sample PDF



Future possibilities

- Java
  - Support for more platforms (UNIX, MAC, PDA…)
  - Plug in new libraries to extend the functionality
- XML
  - incorporating it with other health-related publications
  - More delivery formats

The End

Questions?