Electronic Health Records (EHRs) - a nationwide system

* heterogeneous
* evolving
* independently managed

NHS call for pan-community proposals, Oct - Nov 1999

NHS Eastern Region Health Authority EHR consortium,
(EREHRC) led by Addenbrookes Hospital,
including Opera group, Citrix Systems, IBM

An example showing:

* unique system-wide names:
  health-service ID for each person, each EHR
  for each unit of treatment, its creation and storage location

* location of index server(s) directly if HS-ID known

* yellow pages to HS-ID on name/address etc

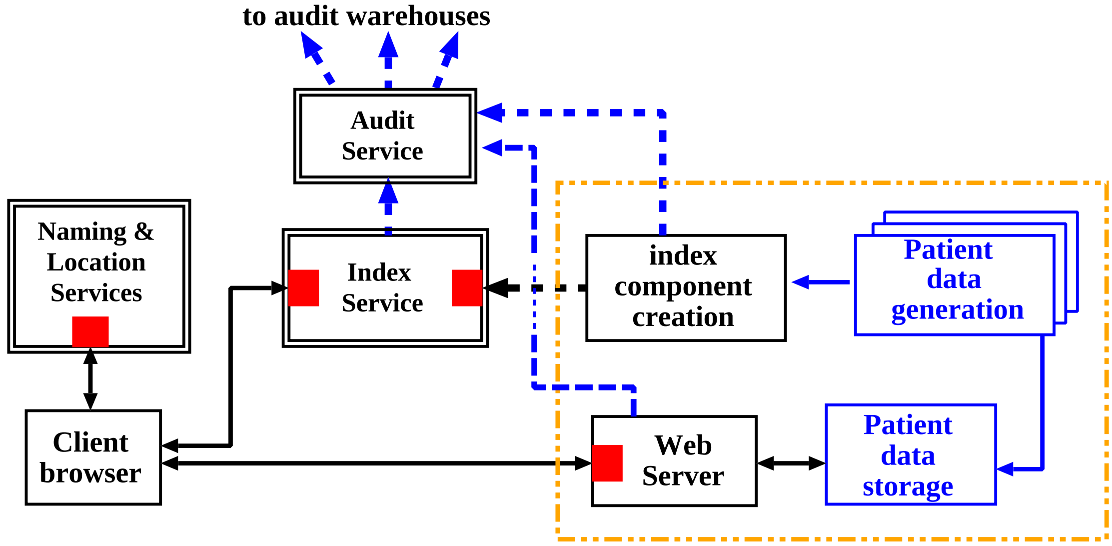
* services replicated for 24*7 availability and fast response

* access control - details later
  (consider journalists, insurance companies, estranged family members)

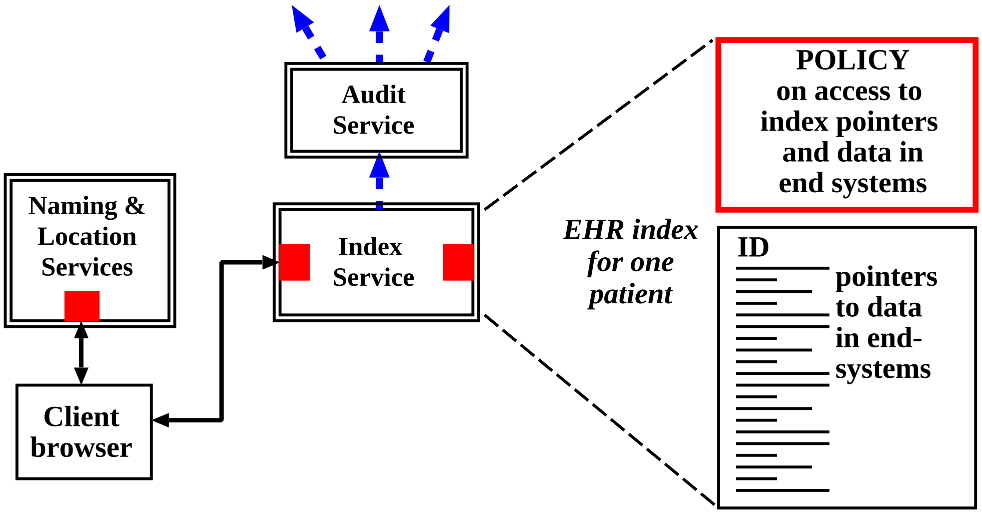
* encrypted communication for sensitive data

* asynchronous (not real-time) messages to audit stores, recording
  each unit of treatment and every access made

* web browser interface - simple, familiar



reliable message transport
service secured with Oasis access control
reliable, distributed, replicated national services
data-provider architecture
end systems including legacy systems



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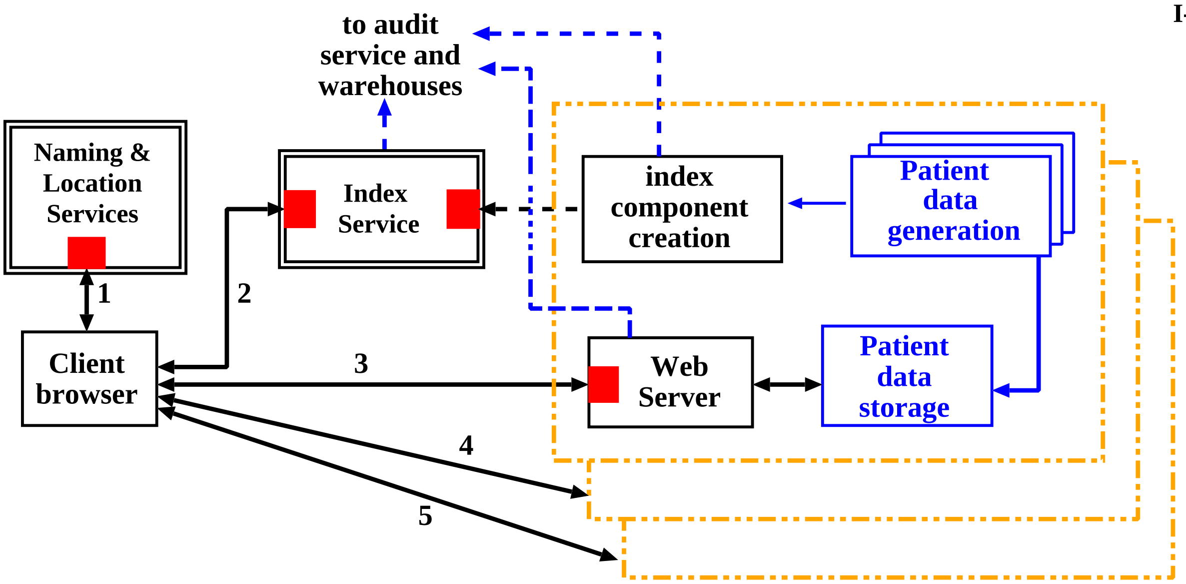

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