◆ **health data enterprise**

X-Series – the next generation data management platform

Foundational to the full Insource portfolio, the X-Series platform provides significantly enhanced performance and supports hybrid cloud environments. X-Series maximises the performance of 2016+ versions of SQL server, facilitates parallel processing for enhanced speed and the handling of vast data volumes, and exploits the capabilities of Microsoft Azure for hybrid cloud deployments.

X-Series is foundational to the full Insource portfolio including Data Academy (DA), Health Data Enterprise (HDE) and Patient Pathway Plus (PP+). This next generation data management platform gives organisations the extra power to access, consolidate and unlock the value of the vast quantities of disparate and dissimilar data from across the enterprise.

Run & continue

In the event of an error when building / processing the data in the solution, this new feature will enable the build to be resumed from the point of failure rather than having to run the process from scratch or having to manually process and execute the remaining steps, saving time and improving performance of the solution.
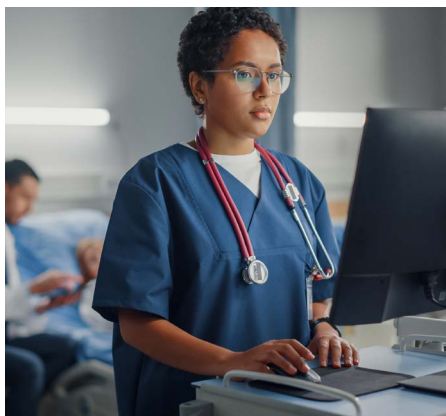
Parallel processing

This will enable organisations to dramatically reduce processing time and improve throughput and responsiveness of data – enabling them to cope easily with larger datasets. An additional license is required to enable this feature.

Gooroo capacity planning

Integrated data exchange to and from the Unified Data Layer (UDL) to Gooroo Planner, provides accurate near real-time data for agile capacity and demand planning and for enhanced reporting.

Theatre module

This is a pre-built theatres data set to enable theatre data, including session, slots, operation, procedure and utilisation information to be ingested and calculated in the UDL for enhanced operational reporting.

Hybrid cloud deployments

X-Series solutions can be deployed on any combination of on-premise or cloud-based environments, to support evolving data management needs. Solutions are instantly deployable on-premise or in Infrastructure-as-a-Service (IaaS) environments without the need for special development or deployment considerations.

> **X-Series facilitates parallel processing for enhanced speed and the handling of vast data volumes...**

New features and functionality will only be made available in X-Series going forward; existing customers will need to upgrade to X-Series to take advantage of these features and start to unlock performance improvements.

Solution overview

Low downtime CDO

System changes have been made to reduce the time that the CDO, and therefore data, is unavailable during the system build. Reducing this time to as little as four seconds improves the availability of data and presents opportunities for multiple data loads.

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Solution benefits

Reducing risk

X-series will improve performance and enable more robust data processing through:

- Near zero downtime of system and data
- More secure and efficient platform (SQL 2016+)
- Quicker data processing
- Increasing the data in the UDL, ensuring a single version of the truth

> **X-Series planned introductions include multi-speed data currency, where real-time meets near real-time...**

Time saving

Increasing efficiencies through improved processes and standard data

- Data more readily available
- Improved processing and throughput of data
- More efficient processes in the event of a failure
- Increasing the information available in the UDL

Patient care

Supporting teams to improve pathway management and patient care through:

- Quick validation enables teams to reduce time on repetitive tasks
- Improved access to the system and screens enabling more immediate access to pathways.
- Inclusion of and expansion to, our Gooroo capacity and demand solution
- More robust data processing reducing inefficiencies and downtime.

X-Series - a major performance upgrade to the full Insource portfolio

Real-time NHS data accessibility and trend reporting are becoming pressing needs for targeted decision-making. X-Series planned introductions include multi-speed data currency, where real-time meets near real-time, to deliver a rich and relevant mix of both types of information for immediate actions, trend analysis and forecasting.

Our data management platform

Our powerful data management platform, with its integral unified data layer (UDL), provides an accurate, complete data foundation across the hospital, trust, or Integrated Care System (ICS) for informed decision-making, operational management, and strategic planning. Our expertise covers trusts in all sectors, both specialist and general, NHS and private, and ensures you have an easily deployable platform that can be configured to meet any local needs and delivered in bite-sized modules to match your project objectives and budget.

And our UDL can be configured to meet single requirements or fully comprehensive goals. It provides partners with the daily, specific, patient-level activity data they need to implement trust-based applications that give in-depth analytics and accurate command centre overviews.

About Insource

At Insource we bring the power of data to your organisation. Our leading data management platform seamlessly delivers validated, patient-level activity data from across the enterprise through our range of waiting list management, statutory reporting, capacity planning and other applications to help organisations manage their healthcare business more effectively.

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