



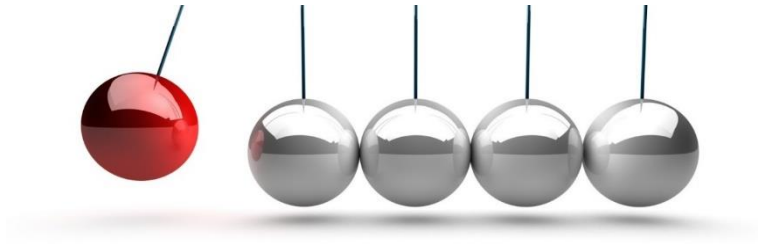
Turning Data into Profit

ISI Restaurant Clients



Our Company

isi85.com



Founded in 1985, ISI has a proven history of developing trusted, long-term client relationships.

Turning Data into Profit is our strength by delivering the right data, to the right people, at the right time.

This deck primarily focuses on the **Hospitality/Restaurant** Industry although we do serve many others including Government, Manufacturing, Distribution, Healthcare, Energy, and Construction.

Process Automation

- System Integration
- Application Development
- Data Conversion
- Report Distribution

Reporting & Business Intelligence

- Data Warehousing
- Dashboards & KPI Mgmt
- Ad Hoc & Self-Serve Analytics
- Data Strategy & Governance

Project Leadership

- SQLRx® / Remote DBA
- Security
- Disaster Recovery Planning
- PMO & Delivery Mgmt

System Integration

Automated Employee Onboarding

Depending on how many locations and employees you have you're likely starting to feel the pain of manual processes.

Automated Employee Onboarding is the most common service we provide in the restaurant space. This is the integration between your HRIS, POS, and potentially other downstream systems as well.

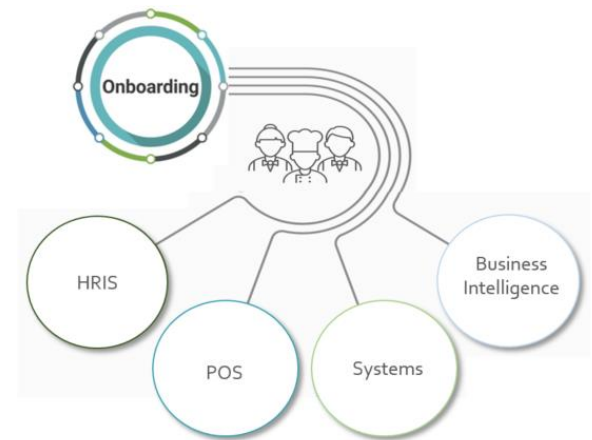
HRIS → POS

We extract Employee Data (New Hires, Rehires, Terms, Updates) from your HRIS and send it to your POS. This eliminates dual entry, improves latency, and improves accuracy. HRIS and POS systems typically expose Developer APIs or other entry points allowing us to programmatically connect the dots.

POS → HRIS

We also send Punch Data back from the POS to the HRIS system for Payroll. Do you want to Process Payroll or Manage Exceptions?

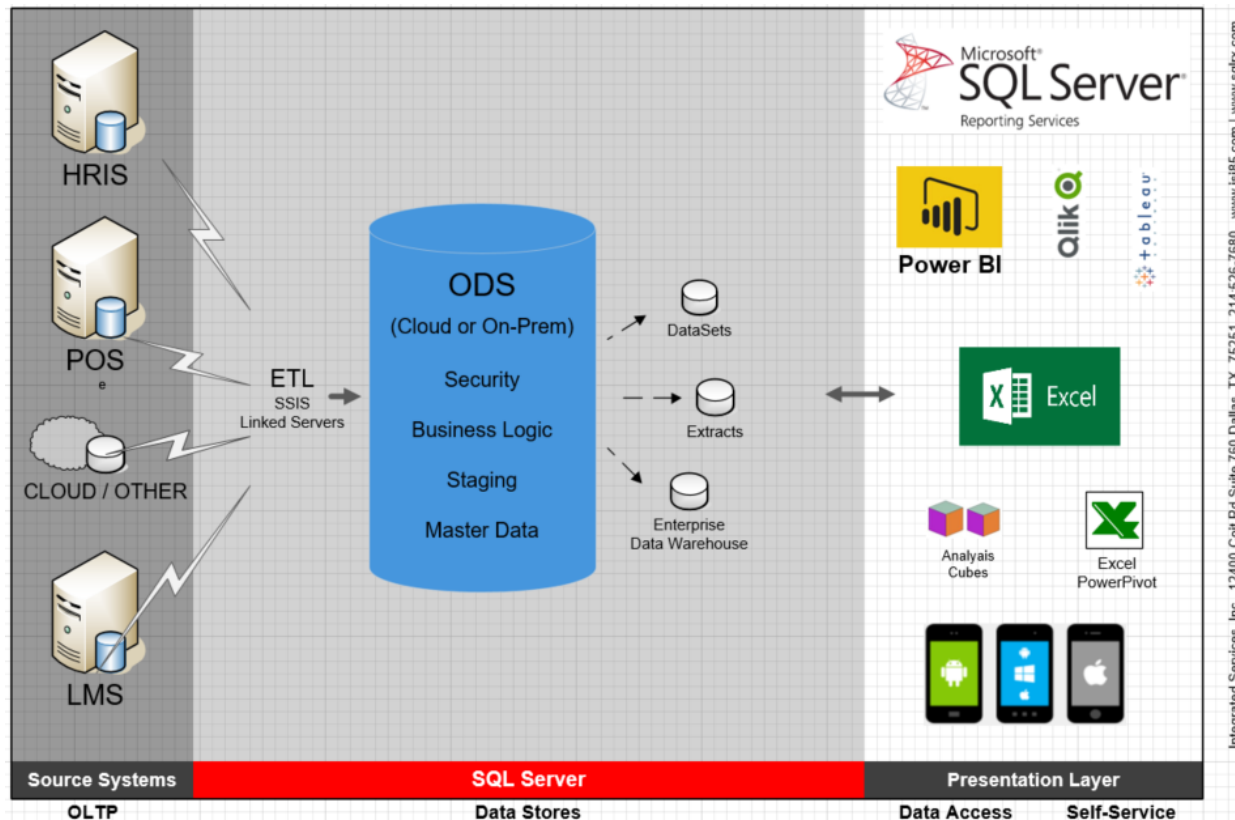
As you grow, Automation and Scalability is essential.



Data Warehousing

To implement Automated Employee Onboarding or any other data-related initiative we'll most likely utilize SQL Server. This will reside on one of your existing servers or we'll help you stand up a new server in the Cloud. This is the beginning of your Data Warehouse / ODS (Operational Data Store)! Data flowing from system to system will pass through and persist in your ODS.

Another popular service we provide is to **Load Order/Ticket Detail from the POS and store it in the ODS**. This gives us the ability to provide insightful Consolidated Reporting & Business Intelligence to Management. We extract from popular POS systems such as Aloha and Toast but we also pull as needed from supporting systems such as Hot Schedules and Compeat / Ctuit. The sky is the limit once you gain access to your own data!



Custom Application Development



Custom Applications are often required to Bridge the Gap between what your current systems offer and the remainder of what you need to fully automate and run your business most efficiently.

Examples:

- Tip Pooling Calculations
- Auto Food Prep Recommendations
- Various Workflows / Approvals

We typically also build a custom internal website utilized for defining mappings between systems. Job Codes and Location Codes, for example, seldom match between the HRIS and the POS. These Mappings, Org Chart Definition, Fiscal Calendar Setup, and Report Recipient Setup are just some of the common uses of this custom website.

Reporting & Business Intelligence



SQL Server Reporting Services (SSRS) provides a set of on-premises tools and services that create, deploy, and manage mobile and paginated reports. If you own SQL Server then you own SSRS. We typically use SSRS for:

- Daily Sales - Consolidated
- Product Mix
- Labor Summary
- Server Performance
- Etc...



Power BI is a Microsoft business analytics solution that lets you visualize your data and share insights across your organization, or embed them in your app or website. Connect to hundreds of data sources and bring your data to life with live dashboards and reports. Power BI is a powerful, affordable option recommended by ISI as your BI launching pad allowing your Power Users to slice and dice:

- No Ticket No Taco
- What are your pain points?
- What are opportunities to improve?
- What anomalies do you have from location to location?





2008 DATA MANAGEMENT SOLUTIONS
PARTNER OF THE YEAR-WINNER
Database Management

SQLRx / Remote DBA

sqlrx.com

SQLRx is a division of ISI providing expertise and assistance to companies needing SQL Server Database Administration services and/or Performance Tuning Analysis assistance.

SQLRx's RemoteDBA - provides a "Part Time DBA" to perform the critical tasks that help keep your SQL Server healthy and in an optimal running state. We offer a FREE HealthCheck which is a live review of your current SQL and Windows performance. All reviews are performed by a Senior DBA while speaking directly with a company staff member to provide observations and recommendations regarding the health of your SQL Server.



SQLRx® RemoteDBA® Services*

Configuration

Review server and database configuration
Make recommendations on best practices and optimizations

Backups

Create, monitor and verify backups

Maintenance

Intelligent maintenance jobs

SQL Server Agent Jobs

Long running job monitoring
Review of existing jobs

Security

User administration

Logs

Review SQL and Windows event logs

Performance

Performance monitoring of over 150 perfmon counters

Storage

Capacity plan

SQL Server Updates

Hotfix and Service Pack notification



Data Conversion



When moving to a new HRIS system likely major Data Conversion is required. If large or numerous data sources including .CSV or Excel extracts need programmatic massaging, mapping, and transformation– we can help. We either use SQL Server Integration Services (SSIS) and/or .NET console apps to accomplish the needed data conversion tasks.

Examples of Data Conversion:

- Mapping legacy HRIS exports to the selected HRIS system's desired format
- Loading POS punch exports and converting to HRIS format



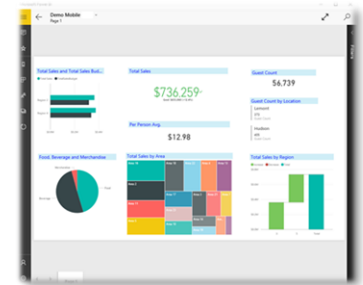


Power BI Demo



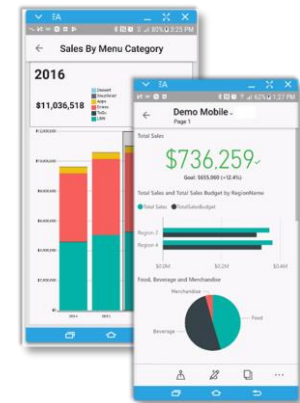
PC

- ☐ [CLICK HERE](#) to view the Desktop Browser Power BI Demo
- ☐ User: **isiCafe@isi85.com**
- ☐ Password: **isi85.com**
- ☐ Use the 'Select Location(s)' and/or 'Week Ending' filters to the report
- ☐ Use the ellipses (...) in the upper right corner to export to Excel



Mobile

- ☐ Download the 'Microsoft Power BI' app from the App Store
- ☐ Open the app
- ☐ Tap 'Get Started'
- ☐ Tap 'Power BI' to connect
- ☐ User: **isiCafe@isi85.com**
- ☐ Password: **isi85.com**
- ☐ You're good to go! Tap 'Start Exploring'
- ☐ The application will ask 'Let Power BI Send Notifications?' Click 'Not now'
- ☐ From the Workspaces menu, tap "ISI Cafe Mobile Demo"
- ☐ Tap 'Reports'
- ☐ Tap 'ISI Cafe Mobile Demo'
- ☐ The application will ask 'Allow Power BI access to your location?' Click 'Not now'
- ☐ Try both portrait and landscape mode on your phone for different views



Challenge

- Enterprise systems were not connected
- Heavy manual processes
- Needed more visibility to data
- Restaurants food prep amounts were not accurate
- Latency

Solution

- ODS (Operational Data Storage)/Data Warehouse development for multiple source data integrations:
- HR-Ultipro/Equifax/Taleo
- Payroll-Paychex/Money Network
- Restaurant/POS-Ctuit/Aloha/MenuLink/HR Bridge/Hot Schedules
- Automated BI Report Distribution
- Performance Management Dashboards
- Internal Web Applications
- Administrative Controls
- Ad-hoc reporting
- Access to daily Automated Prep Sheets

Results

- Streamlined & Automated Processes
- Error reduction
- Improved efficiency
- Management visibility to Food Waste Summary and other critical KPIs
- Minimized latency



Case Study

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- ODS (Operational Data Storage)/Data Warehouse development for multiple source data integrations:
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- Payroll-ADP
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Case Study

Challenge

- Cost prohibitive, expensive vendor-provided data warehouse reporting
- Polling process at remote locations slow to update Data Warehouse due to latency issues
- Process to update or add new calculations to Data Warehouse costly and time consuming

Solution

- New SSIS build for extraction-transformation-load processes to load Data Warehouse from Aloha files
- Developed Data Warehouse concepts including multi-dimensional database modeling in existing instance of SQL server Analysis Services

Results

- Full elimination of costly vendor-provided software
- Streamlined & automated load of polling data into Data Warehouse
- Improved reliability, consistency and frequency of ODS and Data Warehouse updates
- Enabled acceleration of the availability and depth of data available to filed management

Contact Us

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36 Years of Credibility and Trust