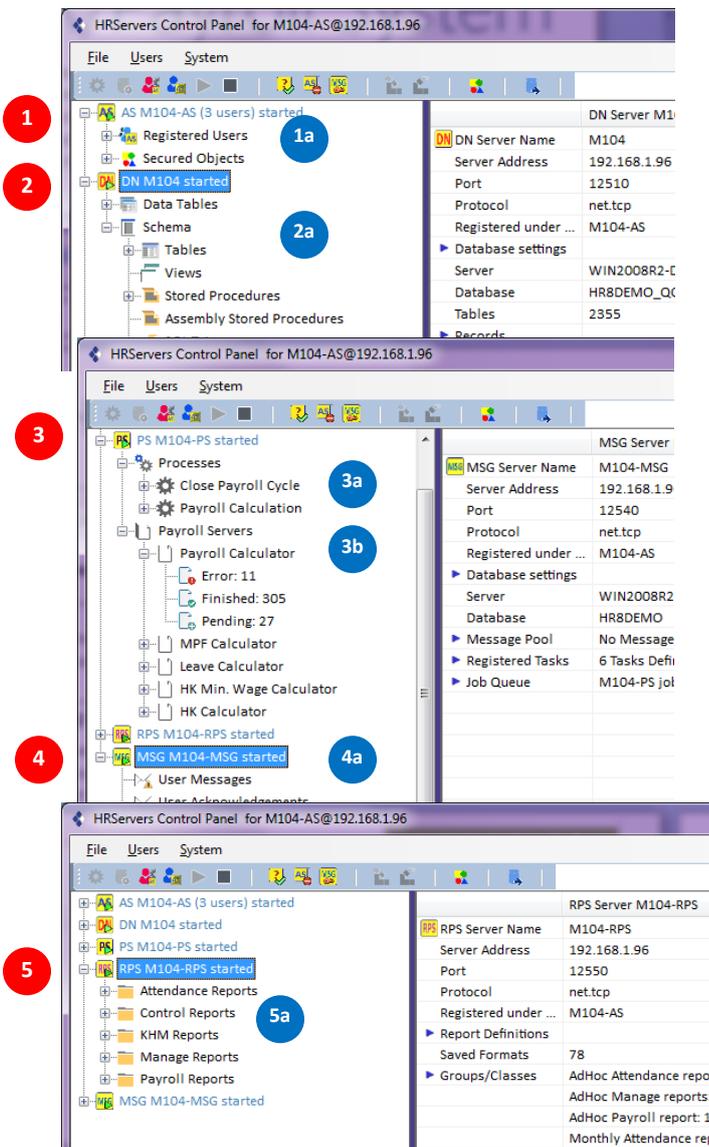TECHNOSOFT
HRServers Pro

Build Your Own HR/Payroll System

No matter you are an in-house I.T. developer, or a well-established software solution vendor, or just start up as a freelance I.T. solution integrator, you can always create customized features or even a complete HRMS or Payroll System with **TECHNOSOFT HRServers**. The beauty is you can focus on the specific front-end user-interface details while **TECHNOSOFT HRServers** handles the tedious jobs of system security, data management, HR workflow, and payroll localization in the background.
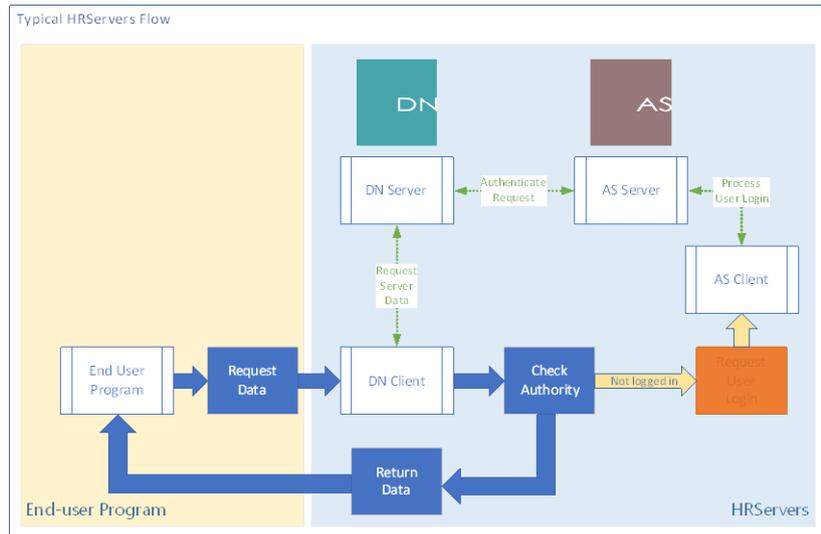

1. Authentication Server (HRAS)
a. Handles user accounts, access privileges, and secured objects

2. Data Node Server (HRDN)
a. Manages all data retrieval and storage, with user-definable data extension sections, fully encrypted

3. Processing Server (HRPS)
a. Built-in and user-defined processes and jobs with conditional steps are registered with HRPS and can be invoked on-demand, via triggers, or scheduled
b. Built-in and user-defined servers are discrete modules as run-time libraries to perform standard and customized data processing, workflow, and calculations

4. Messaging Server (HRMSG)
a. Client to server, server to server, and server to client communications are centralized and managed, which can be adapted to different mode, media, and devices via loadable extension libraries.

5. Reporting Server (HRRPS)
a. Standard and user-defined report and listing definitions, ready to be distributed on a command from any front-end program.

.

Easy Programming – Easy Integration

TECHNOSOFT HRServers provides two levels of integration libraries: one set of low level function calls to request individual HRServer, wrapped with another set of higher-level result-oriented "Easy" function calls just to get a specific piece of information or work done.

You can connect to HRServers from any programming language, any device, as long as you can consume Microsoft .Net objects under .Net Framework 4.0 or later. By using HRServers integration libraries, you

can write just a small piece of program code to get an HR or payroll record, or request to process an absence request or on-duty sign-in, or you can write a full-blown application to provide rich user interaction on the Web, in Windows, or on a smart phone. HRServers will handle all the inter-server communications, authentications, and messaging without having to write any additional codes.

Easy Data Management

Data is managed by the Data Node Server (HRDN) and data security is managed by the Authentication Server (HRAS) in **TECHNOSOFT HRServers**. There is a special utility program to assist you in managing the data schema in order to change default data labels, validation rules, and even add new data elements. On the other hand, a security management utility program

allows you to define secure objects for both intrinsic HRServers data and functions as well as any external user customized programs, data, or function, all via the same integrated HR user account centrally managed by the HRAS.

Easy Testing

Each HR Server comes with a tester program, which makes life easier when trying to test or confirm the behavior of each HRServers integration library function call.

Easy Front-end Integration

The HRServers front-end program, HREngine Express, supports late-bound .Net extension library calls, which means you can simply write a fragment of system for specific function and load it into the HREngine front-end for users without having to develop a full function user interface.

TECHNOSOFT