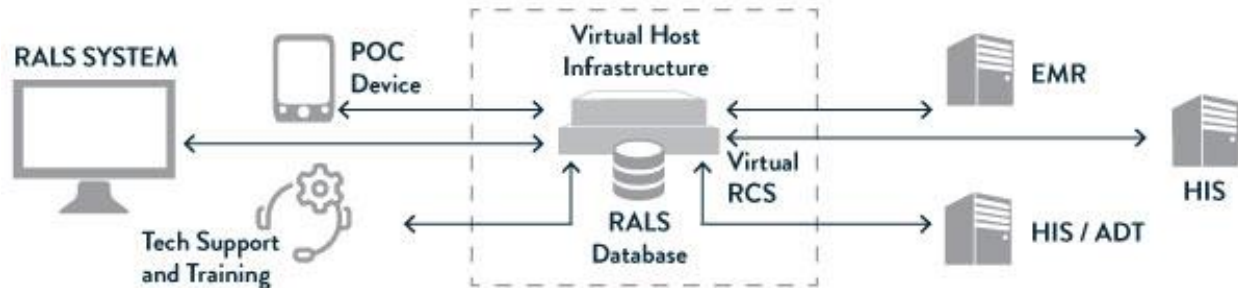# R70 Platform Specifications

Virtual RCS Flow Diagram:

Definition:

The RALS virtual core server (vRCS) consists of a virtual Windows Server system that can be hosted from existing hospital virtualization infrastructure in the data center. For customers without virtual hosting capability/capacity, a physical VHost system using Hyper-V can be provided to run the virtual guest systems. The RALS virtual RCS provides all the functionality of a physical RCS server without the need for additional dedicated hardware.

Specifications:

To meet expected performance, the following minimum resources must be allocated to a virtual RCS, based on the edition of SQL, total number of devices, and number of HL7 interfaces.

# of Devices	RAM (GB)	CPU	Hard Drive
<50	8	Allocated for equivalent processing power of a current model Intel XEON 3GHz multi-core processor – standard **4 cores**	Separate virtual **C:\ (150GB) and D:\ (200GB)** hard disks (Actual disk space in use in a dynamically expanding/thin provisioning environment is typically 70 to 125 GB)
<600	12		
600+	16		
800+	20		
1200+	24		
1600+	28		
2000+	32+ (contact RALS)		

Components:

- Microsoft Window Server 2016 Standard 64-bit
- Internet Explorer 11
- IIS 10
- Remote Desktop
- Telnet Client

- Microsoft .NET Framework: 2.0 SP2, 3.5 SP1, 4.7
- Microsoft Silverlight 5
- Notepad ++
- 7-Zip

- SecureLink Remote Support client
- Microsoft Security Updates
- Microsoft SQL Server
- RALS® software

Installation:

- RALS will provide a **Microsoft Hyper-V** virtual machine (Configuration Version 5.0) export (.VHD) or a **VMware ESXi** virtual machine (Hardware version 10) export (.OVA)
- Customer IT will perform any import/format conversion as needed to deploy the provided virtual image to their virtualization systems (i.e. Microsoft to VMware or virtual machine hardware version upgrade)
- Customer IT will allocate virtual resources to the virtual RALS RCS guest system hosted on their virtual infrastructure

Support:

- RALS will provide support and maintenance of the RALS virtual RCS system (virtual client/guest system)
- Customer IT will provide support and maintenance of the customer's virtual host infrastructure and network