Recording Archive Service (RAS) Requirements

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Recording Archive Service PC

- The Wave IP cannot be used as the RAS PC.
- The RAS PC must run a supported version of Windows (Windows Server 2012 & 2016, Windows 8.1, & 10, currently build 1909.)
  NOTE: *Older versions of Windows, such as Windows Server 2003/2008, Windows XP, and Windows 7 have been certified to run RAS in the past. However, Microsoft no longer supports those OSs so it is recommended to upgrade to Microsoft-supported Operating Systems.*
- The RAS PC must run a supported version of Microsoft SQL. This can be the Express, Standard, or Enterprise version. Current supported versions include SQL 2016 and later. See Install SQL Server for latest information on a given version of Wave.
- RAS PC can run in a 32-bit or 64-bit environment.
- Hardware requirements are based on the SQL requirements for memory, processor, etc.

Recording Storage

- Recordings are stored in an archive folder that must be created and made into a network share.
- The recording archive folder does not have to reside on the same server as the Recording Archive Service. It can be a networked location (such as a SAN or NAS). The Wave IP and RAS server must have read/write access to the folder using windows network file sharing. All users who will access recordings using the Archive Recording Browser (ARB), must also have access.
- The archive folder must NOT reside on the Wave IP.
- The volume should use NTFS.
- Disk space requirements are based on recording expected storage volumes. 100 hours of audio is estimated to take up 2.7 GB of storage space. Plan accordingly.
- Disk volumes are recommended to be on a RAID array (5 or 10 is recommended) to ensure the survivability of recordings.

Network Requirements

- The RAS PC, archive folder, and Wave IP (along with any ARB users) must all reside on the same routable network. This can be a WAN as long as NAT is not in place.
- The Archive process is initiated using DCOM. This means that host resolution in both directions is needed. Wave to RAS server and RAS server to Wave must both resolve by name. You can test this by pinging in each direction by host name.
- Having all components (RAS PC, archive folder location, Wave IP, and ARB users) joined to a domain will

simplify security requirements. The various separate parts must all talk via SQL connection and be able to read/write to network file shares. Active Directory domain security simplifies this process immensely.

Installer Account Requirements

The account used to install the Recording Archive Service on the PC is also used for ongoing operations by RAS. It must have the following permissions:

- Local Administrator To install the service, the account must be a local administrator on the PC.
- Log on as a service To verify or set this see Set 'Log on as a Service'.
- Full Control of Wave IP Buffer folder The account must have full control over the Wave IP Buffer folder. This folder is used to stage and copy recordings to the archive server. This can either be done using Domain security to allow the domain user permissions to the folder or by setting up identical local accounts on the Wave and the RAS PC. See Set permission to Wave IP Buffer folder.
- Full Control of the Archive Folder The account must have full control over the archive folder (whether it's on the RAS PC or not). This folder is where the recordings are kept, so the account must have permission to write recordings or delete them as necessary. Reference the Set permission to Wave IP Buffer folder to learn how to set permissions on a folder.