PcVue - Resources

Last update :	2022
Revision :	5
Content :	This document contains recommended resources for deploying PcVue
Confidentiality :	Public

As standards, specifications and designs change from time to time the information are given for the latest version of PcVue as indication only. Arc Informatique shall have no liability whatsoever with respect to information contained in this document.

Content

To whom this document intends for?

This document is intended for helping anyone who want to choose the right resources to deploy a PcVue project for usual projects.

How to use this document?

This document should be used as an aid for determining minimal material resources needed to deploy PcVue .
It includes

- A section with recommended deployment architecture depending on the project size
- A section for each usual projects including:
  - the size of the project,
  - the recommended architecture,
  - the recommended resources,

1. Important notes

Roles and resources

This document provides the minimal resources recommended for each PcVue station role **individually**: Standalone, Acquisition server, Historical server, RDS server, Web server, Mobile server and client stations.

A station may have several roles. In this case, it is necessary to apply to this station the recommended resources for each role it has.

- For more information about stations and role please see the on-line help, topic "deployment"

Recommendations

We advise to use Server Operating System for PcVue Server.

All stations require having an USB port.

For any questions, please contact your local technical support.

Virtual environment

- All information given in this document can be applied for PcVue installed within a virtual environment. The recommended resources apply only for the OS hosting PcVue and not for the virtual environment.

2. Requirements table and recommended deployment architectures

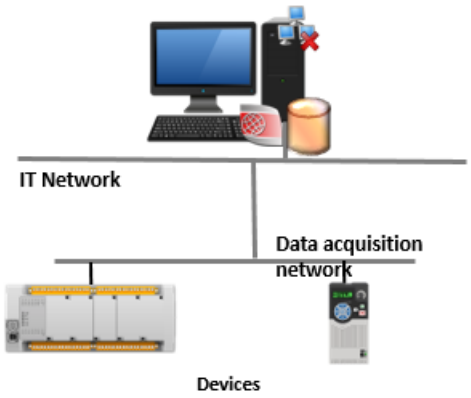
Requirements	Small project	Medium project	Large project
Number of variables	< 5000	5000 -> 65 000	> 65 000
Number of stations	1	< 10	> 10
Number of light clients	0	<5	>5
Deployment			
Standalone	*		
Multistation (Server-Client)		*	*
Redundancy			*
Dedicated server for light clients			*
RDS or Web architecture			*

*** Recommended Deployment**

3. Small project

Number of variables	< 5000
Number of stations	1
Processor	x64-compatible AMD or Intel CPU (or equivalent) - 1.4 GHz dual core minimum
System Memory (RAM)	4 GB
Available hard disk space	At least 10 GB
Graphics	1024×768 display for Windows Server platforms. In addition for Windows Client platforms, support for DirectX 9 graphics device with WDDM driver
Network Interface Controller	1 for PcVue messaging 1 for Data acquisition 1 for office network

Standalone station with proprietary archives

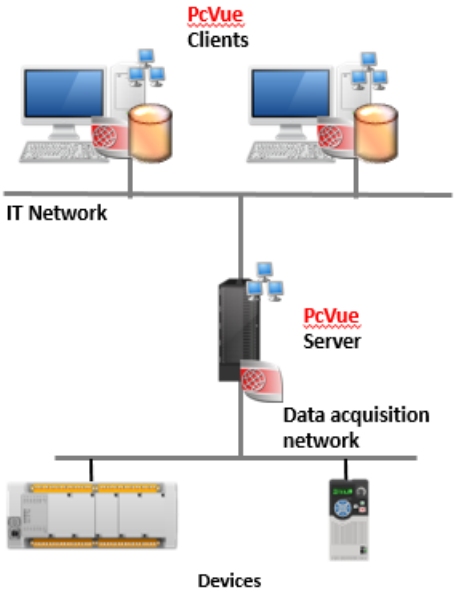


4. Medium project

Number of variables	5000 -> 65 000
Number of stations	< 10
Number of light clients	< 5

Role	Processor	System Memory (RAM)	Available hard disk space	Graphics	Network Interface Controller
Server (OS Server)	x64-compatible AMD or Intel CPU (or equivalent) - 1.4 GHz dual core minimum	8 GB	At least 100 GB	1024×768 display	1 for PcVue messaging 1 for Data acquisition 1 for office network
Client	Same as above	4 GB	At least 10 GB	Super VGA (1024*768), support for DirectX 9 graphics device with WDDM driver	

Multi station architecture with one acquisition (and historical or not) server and 1 to 5 clients with proprietary archives

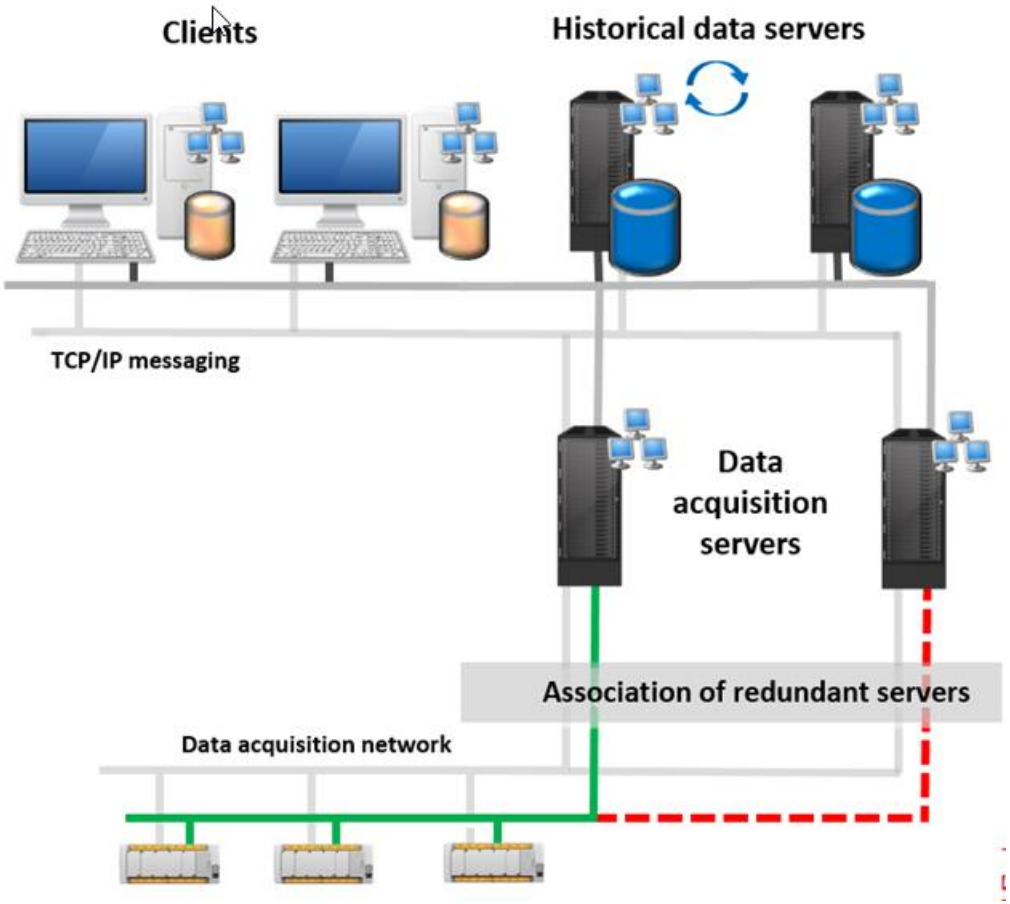


5. Large project

Number of variables	> 65 000
Number of stations	> 10
Number of light clients	> 5

- Multi station deployment
- Redundancy
- SQL Archives
- Three level architecture

Multi station architecture with two redundant acquisition servers, two redundant historical servers with SQL archives and 5 or more clients with proprietary archives

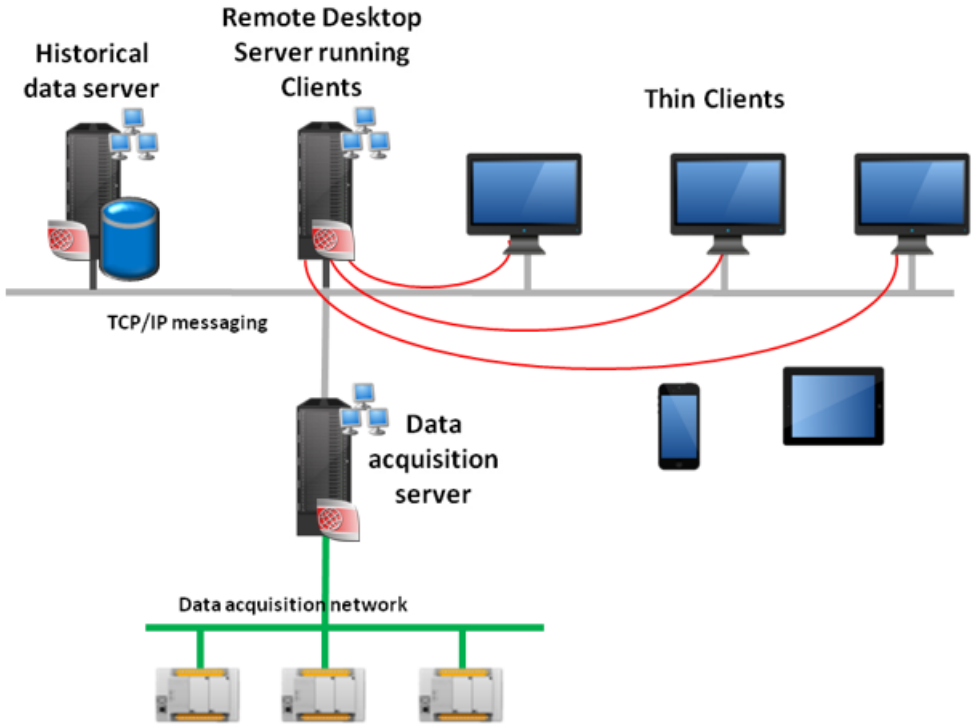


Role	Processor	System Memory	Hard disk	Graphics	Network Interface Controller
Server (OS Server)	Quad Core minimum	8 GB of RAM	At least 100 GB		1 for PcVue messaging 1 for Data acquisition 1 for office network
Historical Server (OS Server)	Quad Core minimum	16 GB of RAM	At least 500 GB. 7200 rpm minimum. Multiple physical HDD. RAID system		
Client	Dual Core minimum	4 GB of RAM	At least 10 GB	Super VGA (1024*768), support for DirectX 9 graphics device with WDDM driver	

6. Resources for thin Client deployment

Deployment for thin clients includes a webserver or a rds server. These server require specific resources depending on the thin clients on the architecture.

RDS Sessions	1	5	10[1]
Processor	Quad Core min	Quad Core min	Quad Core min
System Memory (RAM)	4 GB	8 GB	13 GB
Hard disk space	1 GB	4 GB	> 10 GB
Graphics	1024×768 display for Windows Server platforms. In addition for Windows Client platforms, support for DirectX 9 graphics device with WDDM driver		
Network Interface Controller	1 for PcVue messaging 1 for Data acquisition 1 for office network		



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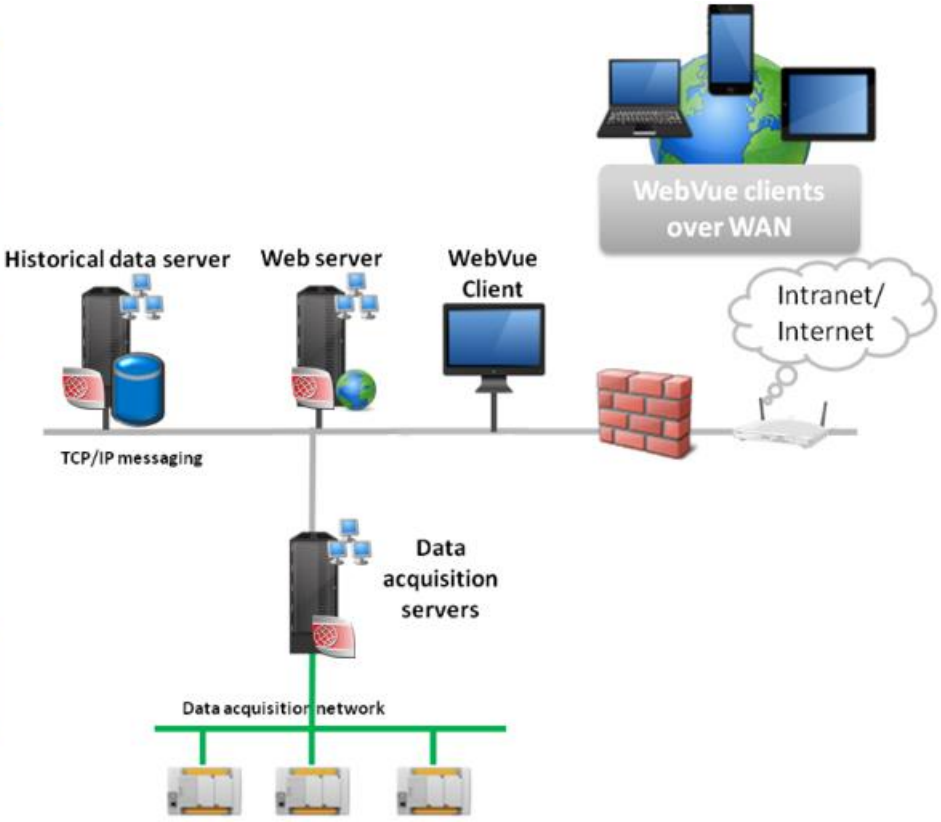
[1] RAM allocated for a RDS session depends on the project (number of tag, arhives, ...). The minimum recommended is 3GB + 1GB per RDS session

Web Sessions	1	5	10
Processor	Dual Core	Quad Core minimum	Quad Core minimum
System Memory (RAM)	2 GB	4 GB	8 GB
Hard disk space	2 GB	2 GB	2 GB
Graphics	1024×768 display for Windows Server platforms. In addition for Windows Client platforms, support for DirectX 9 graphics device with WDDM driver		
Network Interface Controller	1 for PcVue messaging 1 for Data acquisition 1 for office network		



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