

PCVUE - RESOURCES

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Content :	This document contains recommended resources for deploying PcVue
Confidentiality :	C0

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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.

For more information regarding virtual machine sizing, please refer to the following document: [“Size your hardware for your PcVue project”](#).

2. Requirements table and recommended deployment architectures

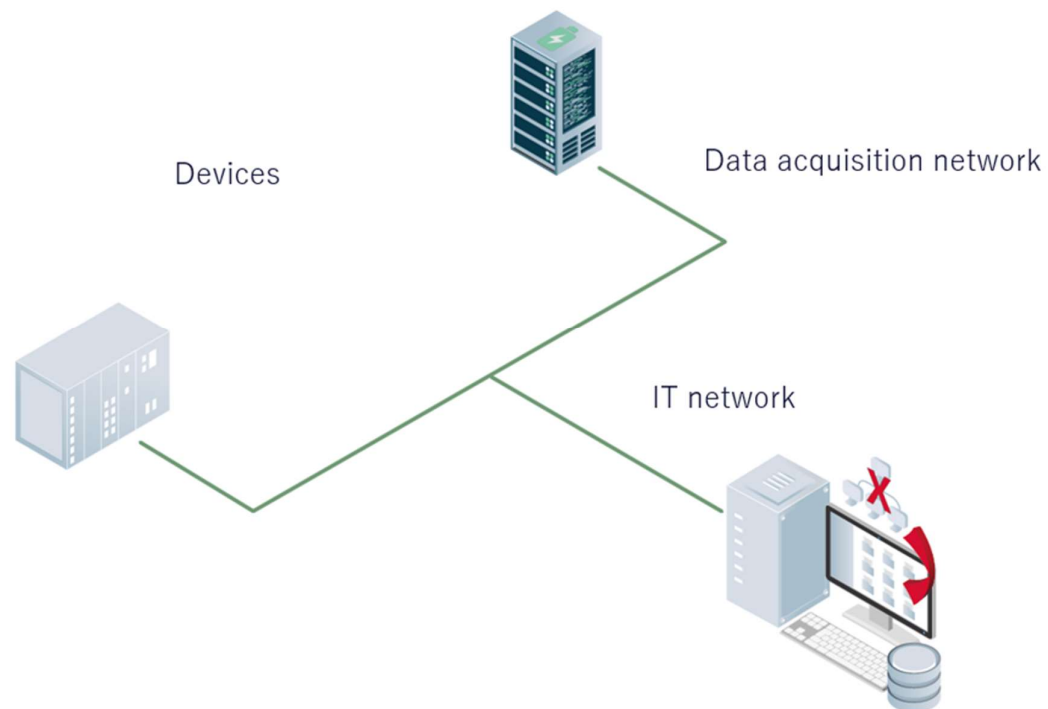
Requirements	Light project	Medium project	Large project
Number of variables	< 10000	10000 -> 50 000	> 50 000
Number of stations	1	< 10	> 10
High availability		*	*
RDS	2	5	> 10
Web Backend	* (2 clients max)	*	*
SQL Server		*	*

* Recommended Deployment

3. Small project

Number of variables	< 10000
Number of stations	1
Processor	Dual core minimum
System Memory	At least 8 GB of RAM
Storage	At least 256 GB
Graphics	HD (1280x720), support for DirectX 9 graphics device with WDDM driver
Network Interface Controller	1

Standalone station with proprietary archives

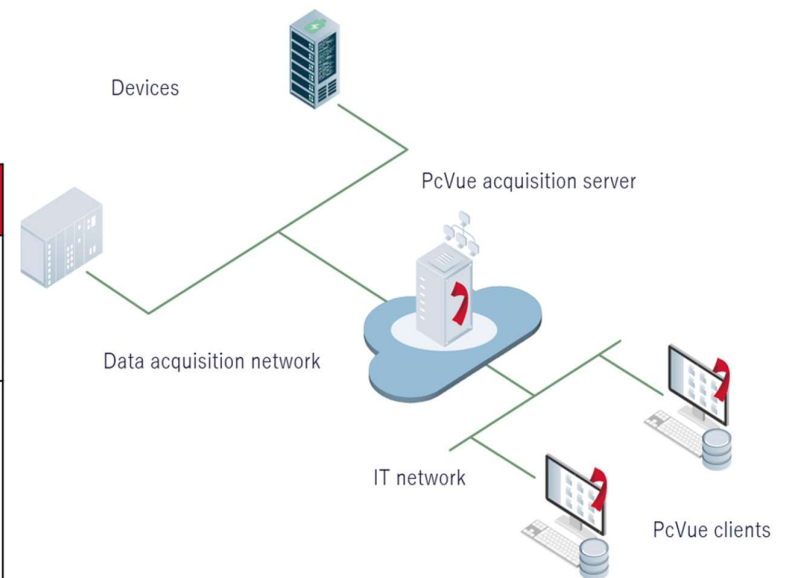


4. Medium project

Number of variables	5000 -> 50 000
Number of stations	< 10
Number of light clients	< 5

Role	Processor	System Memory	Storage	Graphics	Network Interface Controller
Server (Server OS)	Dual Core minimum	16 GB of RAM	At least 256 GB		<ul style="list-style-type: none"> PcVue messaging Data acquisition Administration network
Client	Dual Core minimum	8 GB of RAM	At least 256 GB	HD (1280x720), support for DirectX 9 graphics device with WDDM driver	<ul style="list-style-type: none"> PcVue messaging Administration network

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

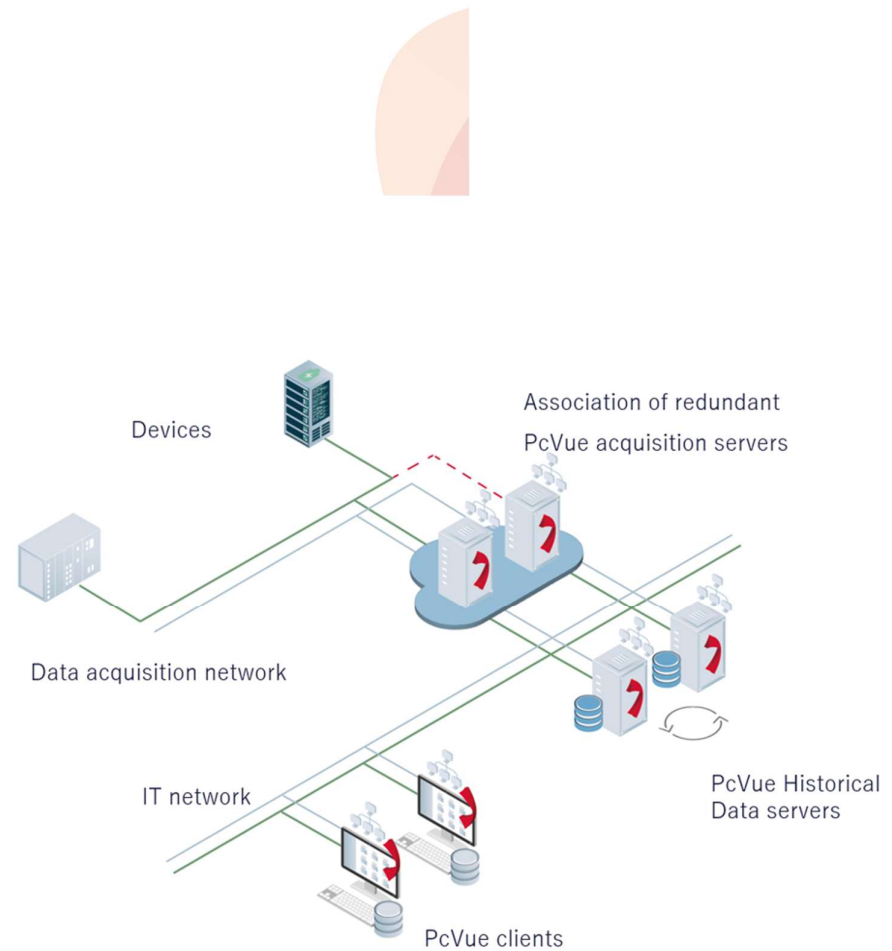


5. Large project

Number of variables	> 50 000
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

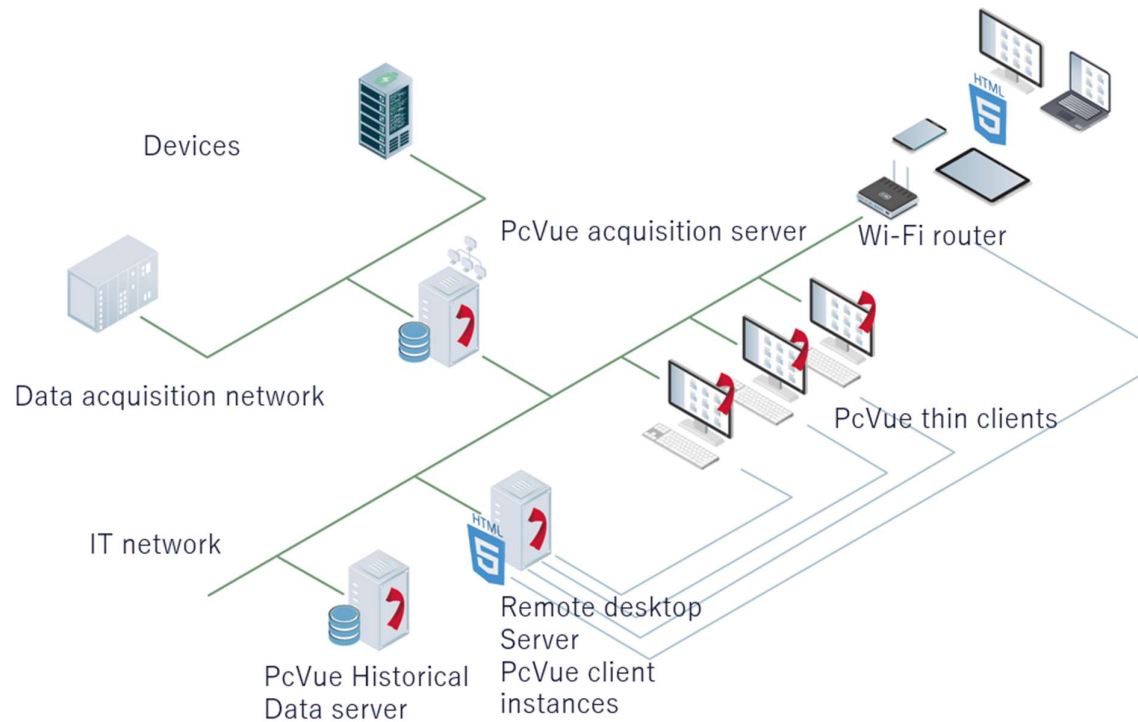


Role	CPU	Memory (at least)	Storage	Graphics	Network Interface Controller
Server (Server OS)	Quad Core minimum	16 GB of RAM	At least 256 GB		3*
Historical Server (Server OS)	Quad Core minimum	16 GB of RAM	At least 512 GB. 7200 rpm minimum. Multiple physical HDD. RAID system		2
Client	Dual Core minimum	8 GB of RAM	At least 256 GB	HD (1280x720), support for DirectX 9 graphics device with WDDM driver	2

***PcVue messaging/Data acquisition/Administration network**

6. Resources for thin Client deployment

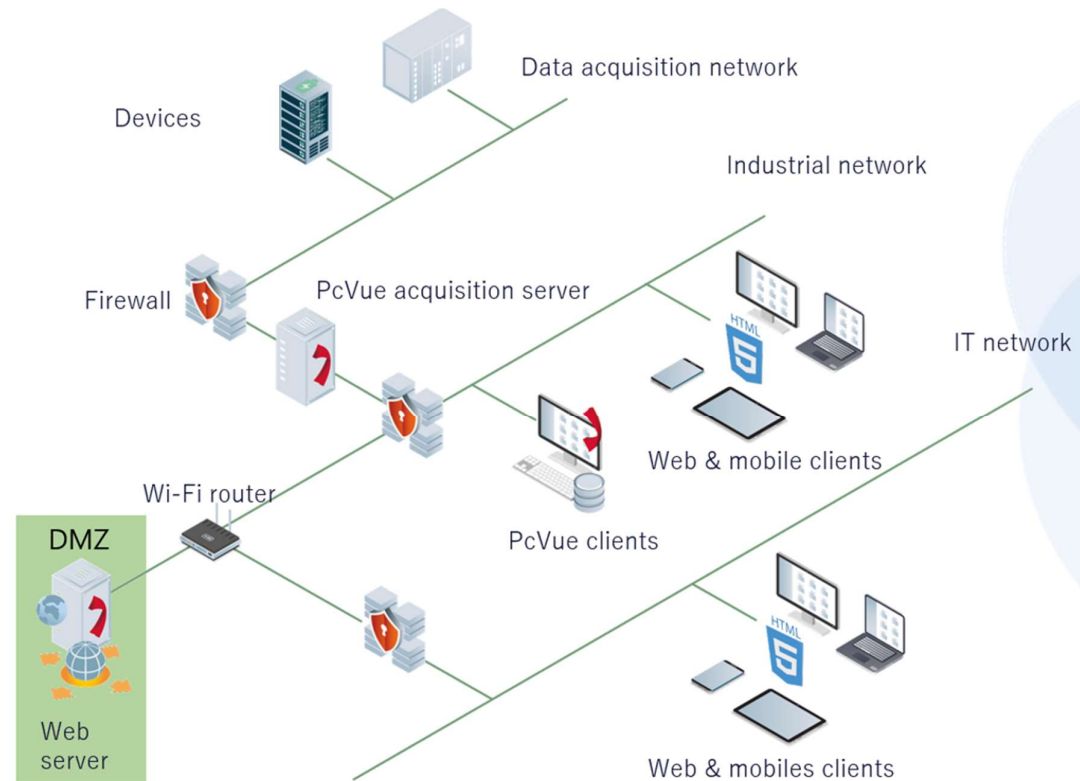
Deployment for thin clients includes a webserver or a RDS server. These server require specific resources depending on the thin clients on the architecture.



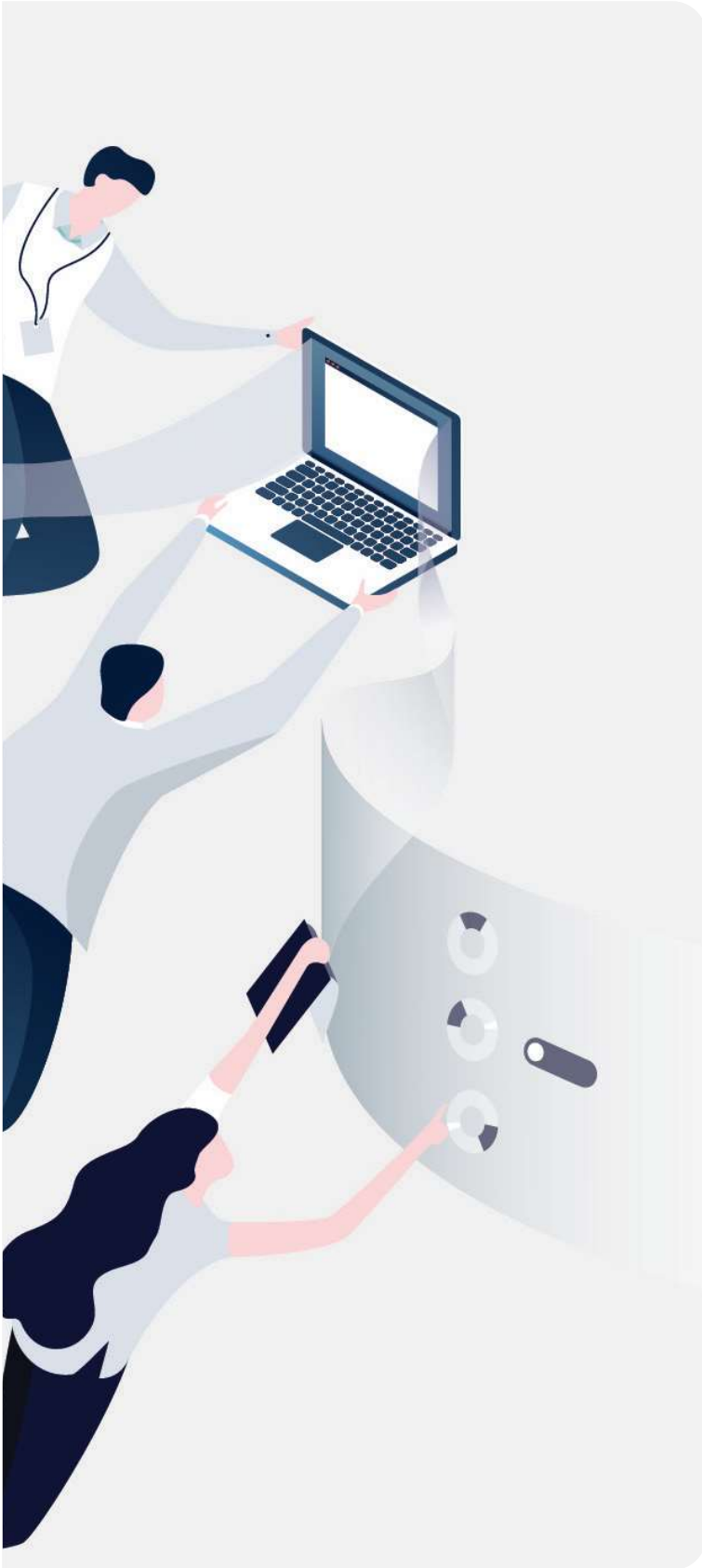
RDS Sessions	1	5	>10
Processor	Quad Core minimum	Quad Core minimum	Quad Core minimum
System Memory	16 GB of RAM	32 GB of RAM	64 GB of RAM
Minimal storage	256 GB	512 GB	1 To
Graphics	HD (1280x720), support for DirectX 9 graphics device with WDDM driver	HD (1280x720), support for DirectX 9 graphics device with WDDM driver	HD (1280x720), support for DirectX 9 graphics device with WDDM driver
Network Interface Controller	3	3	3

7. Resources for Web Architecture (Back end sizing)

Web Sessions	1	5	>10
Processor	Dual Core	Quad Core minimum	Quad Core minimum
System Memory	8 GB of RAM	16 GB of RAM	32 GB of RAM
Graphics	HD (1280x720), support for DirectX 9 graphics device with WDDM driver	HD (1280x720), support for DirectX 9 graphics device with WDDM driver	HD (1280x720), support for DirectX 9 graphics device with WDDM driver
Network Interface Controller	3	3	3



PCVUE - RESOURCES



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