Temperature and humidity monitoring platform

——Server requirements

Preface

Thank you very much for using of Tzone temperature and humidity monitoring platform.Please read this manual in order to working fluently.If you have questions, please contact us.

Note: Please ask network engineers and other professionals to deal with purchasing server hardware,software maintenance etc.

Catalog

Server operating environment requirements

1. Server hardware configuration requirements

Recommend Intel Xeon series of servers,more stability.

Minimum requirements:
CPU:2.3GHz and more,L2 cache 4M and more,2pcs dual-core or quad-core CPU
Hard disk:SCSI hard disk,200G
RAM:8G
 NIC(Network Interface Card) :5M
Note:Hardware configuration is determined by the number of equipments and data capacity.

2. Server software configuration requirements

Operating systems:Windows Server 2008 R2/2012/2016/2019

Microsoft.NETFramework:4.0

IIS : 6.0 and more new versions

Database:MSSQL 2008 R2/2012/2016

Hardware requirements under different scenes

1. 200pcs equipment

Should be one server.

CPU:2.0GHz and more,L2 cache 4M and more,2pcs dual-core or quad-core CPU
Hard disk:SCSI hard disk,200G
RAM:8G
NIC(Network Interface Card) :5M

2. 200-500pcs equipment

Should be one server.

CPU:2.0GHz and more,L2 cache 4M and more,quad-core CPU
Hard disk:SCSI hard disk,200G
RAM:16G
NIC(Network Interface Card) :5M

3. 500-1000pcs equipment

At least two servers, application servers and database servers must be deployed separately; if the site visiting number is large, the site needs to be deployed separately.

	Hardware requirements	Functions
Server1	CPU:2.0GHz and more,L2 cache 4M and more,2pcs dual-core or quad-core CPU Hard disk:SCSI hard disk,200G RAM:8G NIC(Network Interface Card) :5M	1.Site 2.Gateway service 3.Middleware (cache middleware, billing system, base station service)
Server2	CPU:2.0GHz and more,L2 cache 4M and more,quad-core CPU Hard disk:SCSI hard disk,200G RAM:16G NIC(Network Interface Card) :5M	1.Database 2.Middleware (message queue service, message (mail, SMS) push service)

4. 1000pcs equipment and more

This system can't support the distributed architecture currently , because maximum concurrent is about 1000pcs in a single server, for more than 1,000 concurrent need, users can upgrade a single server hardware to meet some of the needs. You also can contact us to solve.