Servers Dashboard Design

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SERVERS
USERS
SETTINGS

105 servers

CPU
90
12
3

MEM
99
3
3

STAT
94
0
11

ACTIONS

Filter: All Servers

1 to 20 of 105 servers

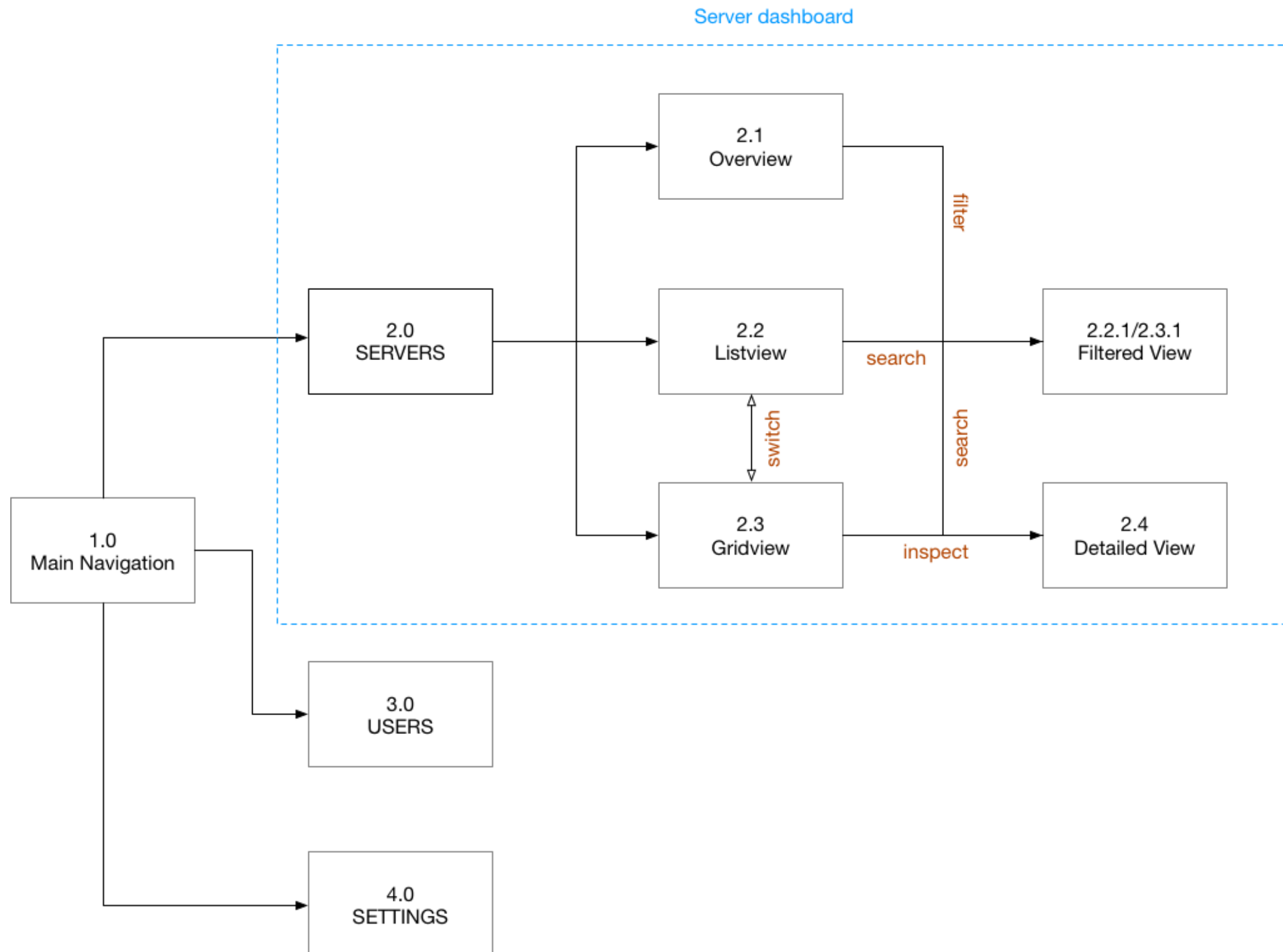| Name	ServerID	CPU	Memory	Disk	Status
Server1	S001	23%	65%	48%	running
Server2	S002	23%	35%	66%	stopped
Server3	S003	23%	35%	66%	running
Server4	S004	86%	35%	66%	running
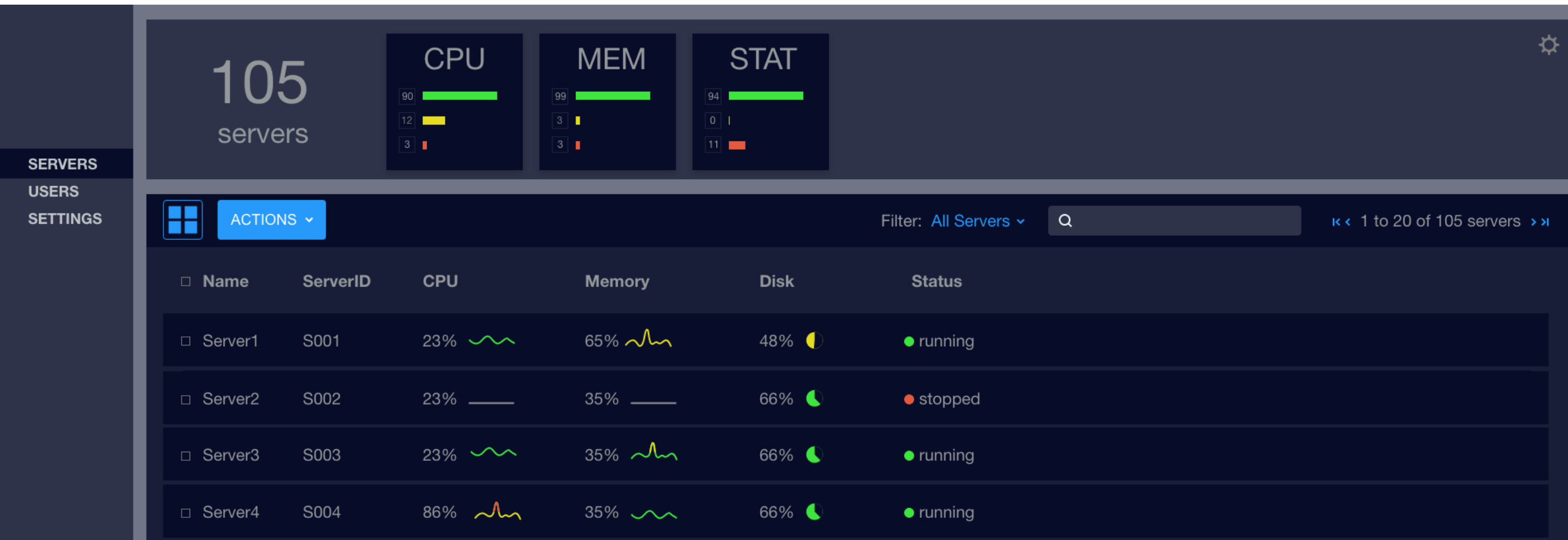
Design Brief

Visualize status of a large inventory of servers on a web page:

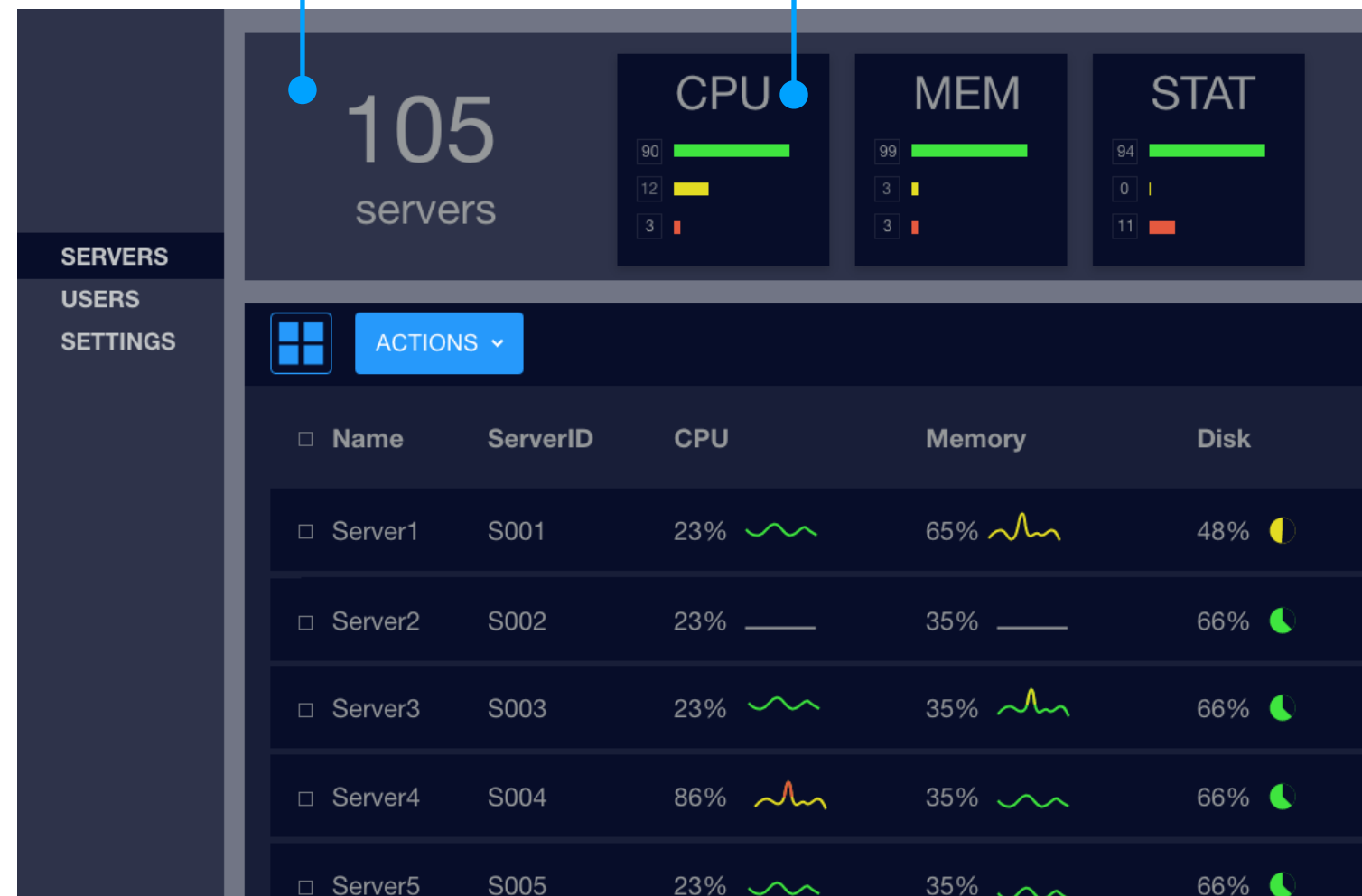| Design Strategy	Needs
Overview, Listview/Gridview, Configurable	All essential information is available at a glance
Single action/batch actions	Support basic actions on the server
Filter, Color coded, Historical Snapshot	Highlight any issues with the servers

Information Architecture: Dashboard Webapp

Server dashboard

1.0 Main Navigation

2.0 SERVERS

2.1 Overview

2.2 Listview

2.3 Gridview

2.2.1/2.3.1 Filtered View

2.4 Detailed View

3.0 USERS

4.0 SETTINGS

filter

search

switch

search

inspect

All essential information is available at a glance

Overview

Display high level overview information about all the servers. Provide aggregated count of servers on different essential aspects to understand system health.
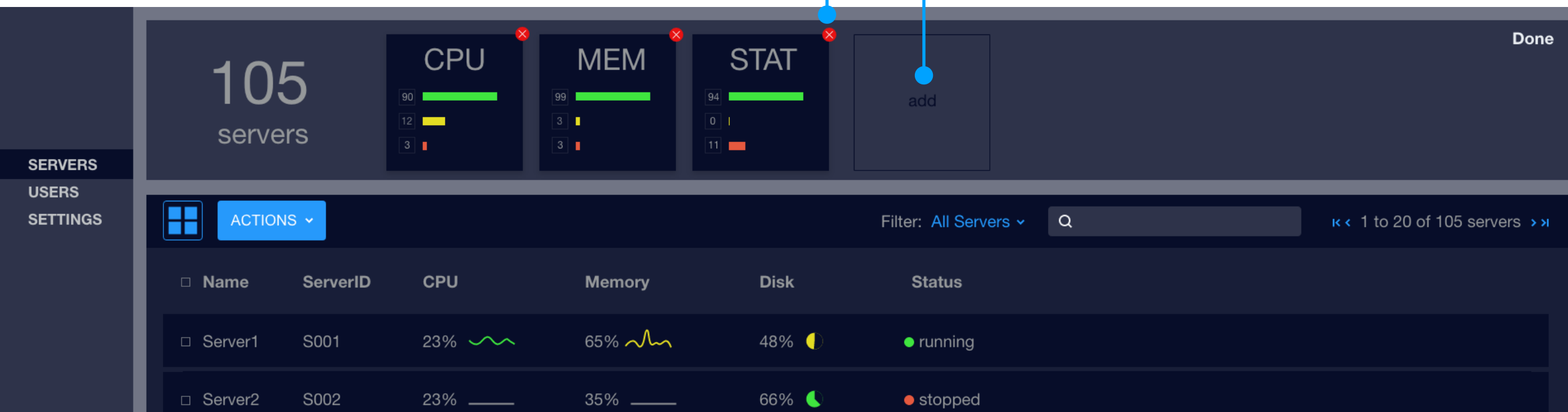
SERVERS
USERS
SETTINGS

105
servers

CPU		MEM		STAT	
90		99		94	
12		3		0	
3		3		11	

ACTIONS ⌄

	Name	ServerID	CPU	Memory	Disk
☐	Server1	S001	23%	65%	48%
☐	Server2	S002	23%	35%	66%
☐	Server3	S003	23%	35%	66%
☐	Server4	S004	86%	35%	66%
☐	Server5	S005	23%	35%	66%

All essential information is available at a glance

Configurable

Provide the flexibility to define what 'essential' means to different users

Add essential info

Remove essential info

105 servers	CPU	MEM	STAT	add	Done
	90	99	94		
	12	3	0		
	3	3	11		

SERVERS
USERS
SETTINGS

ACTIONS ⌄

Filter: All Servers ⌄   🔍 |◁ ◁ 1 to 20 of 105 servers ▷ ▷|

☐ Name	ServerID	CPU	Memory	Disk	Status
☐ Server1	S001	23%	65%	48%	● running
☐ Server2	S002	23%	35%	66%	● stopped

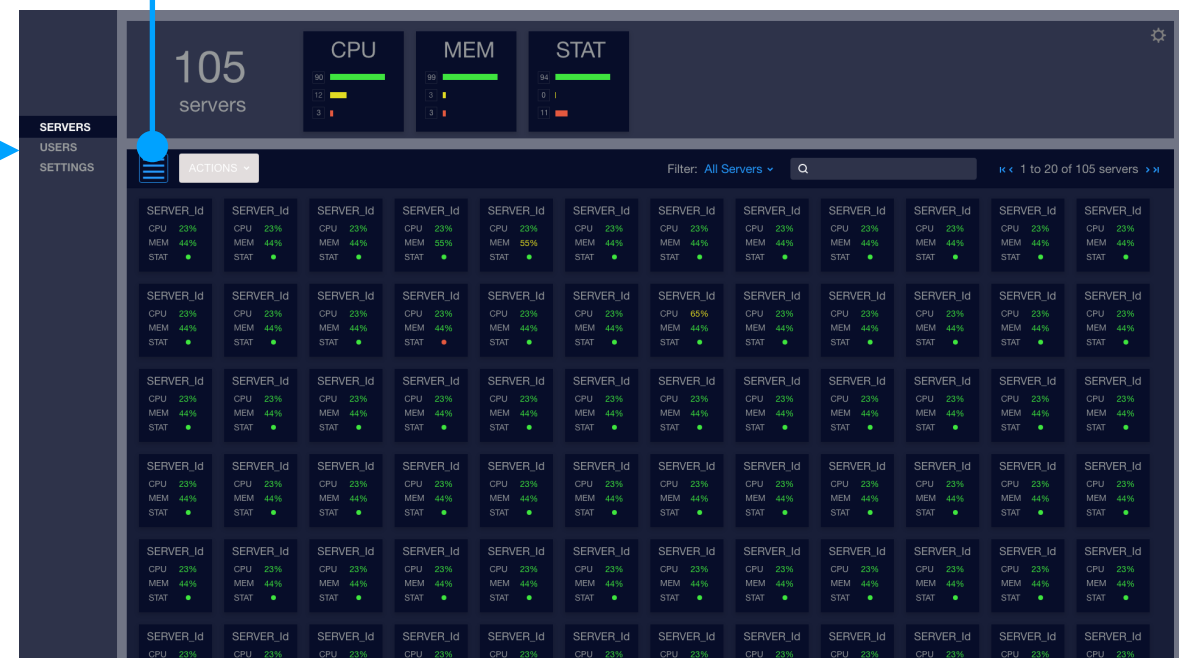# All essential information is available at a glance

Listview

Is good at revealing more information about every single server, and also support actions applied to each server
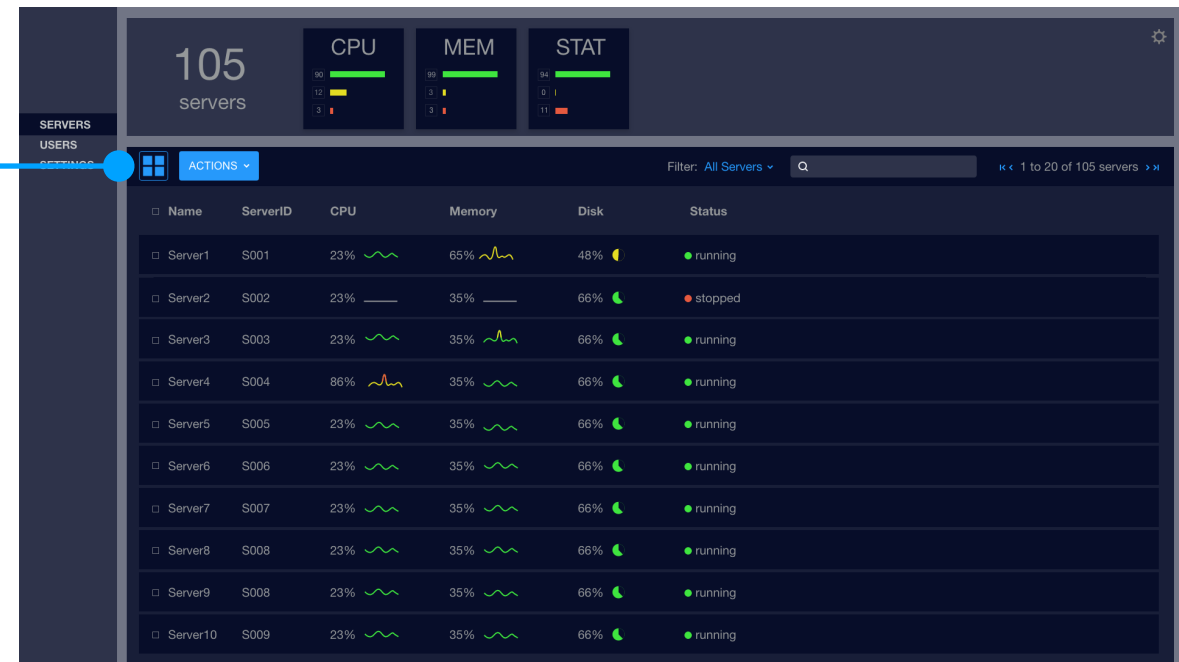
Gridview

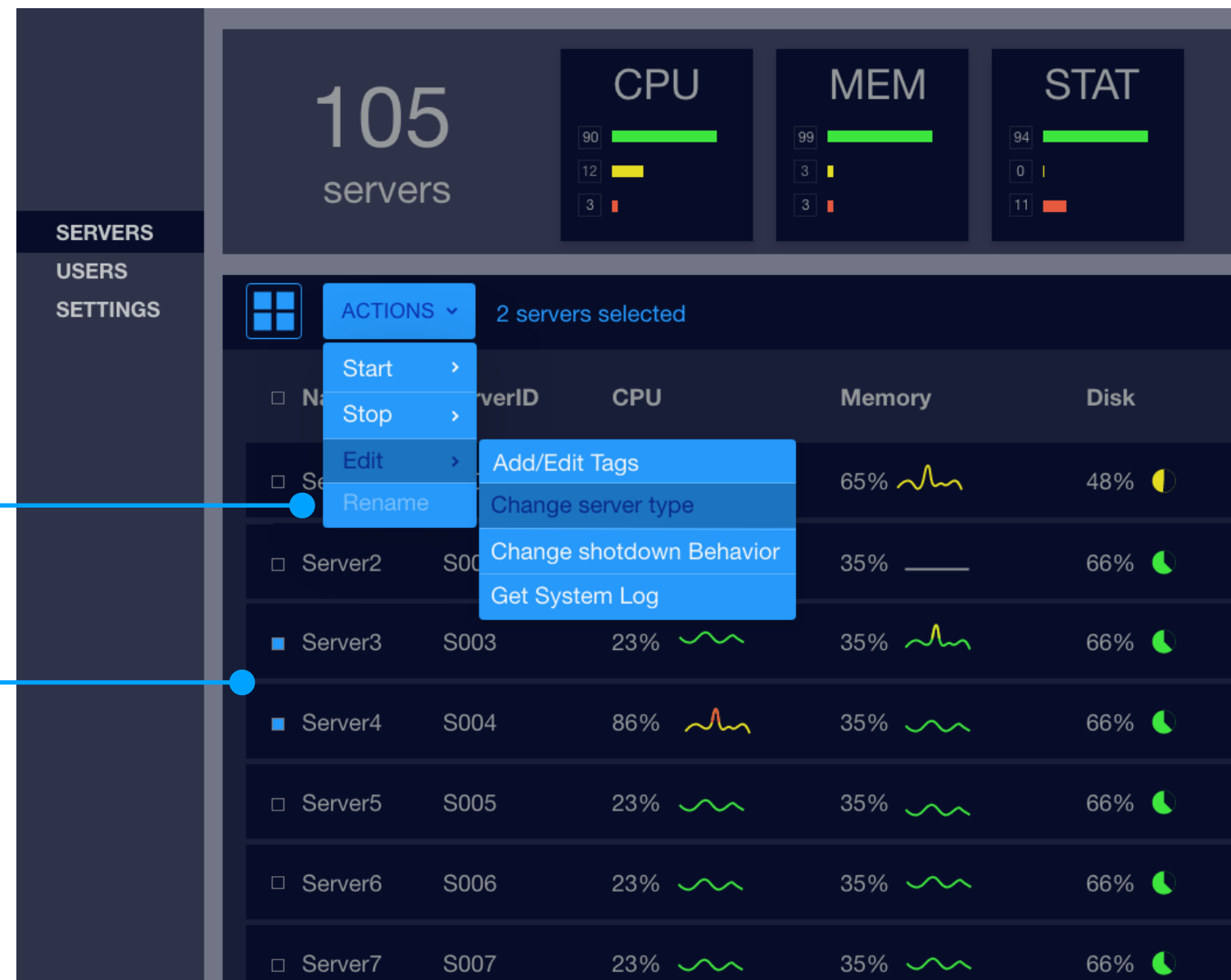Is good at showing more server status in one page

Support basic actions on the server

System should determine the available operation for single or batch action

Batch Action

Multiple selection on list items to support batch action

105 servers

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90
12
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SERVERS
USERS
SETTINGS

ACTIONS ⌄   2 servers selected

Start   ›
Stop   ›
Edit   ›   Add/Edit Tags
Rename   Change server type
                      Change shotdown Behavior
                      Get System Log

	Na	verID	CPU	Memory	Disk
☐	Se			65%	48%
☐	Server2	S00		35%	66%
■	Server3	S003	23%	35%	66%
■	Server4	S004	86%	35%	66%
☐	Server5	S005	23%	35%	66%
☐	Server6	S006	23%	35%	66%
☐	Server7	S007	23%	35%	66%

Highlight any issues with the servers

Color coded symbol

Different color to indicate system status.

| □ Server4 | S004 | 86% | ⌁ | 35% | ⌁ | 66% | ◗ | ● running |
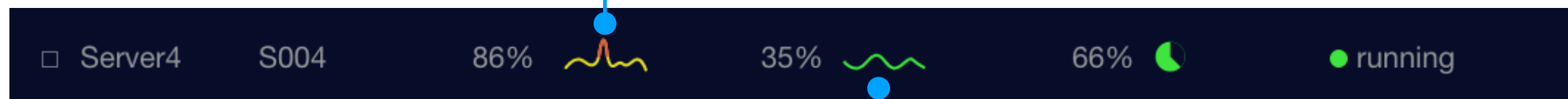
Historical Snapshot

While realtime data shows current status, data of the past is equally critical to monitor system health

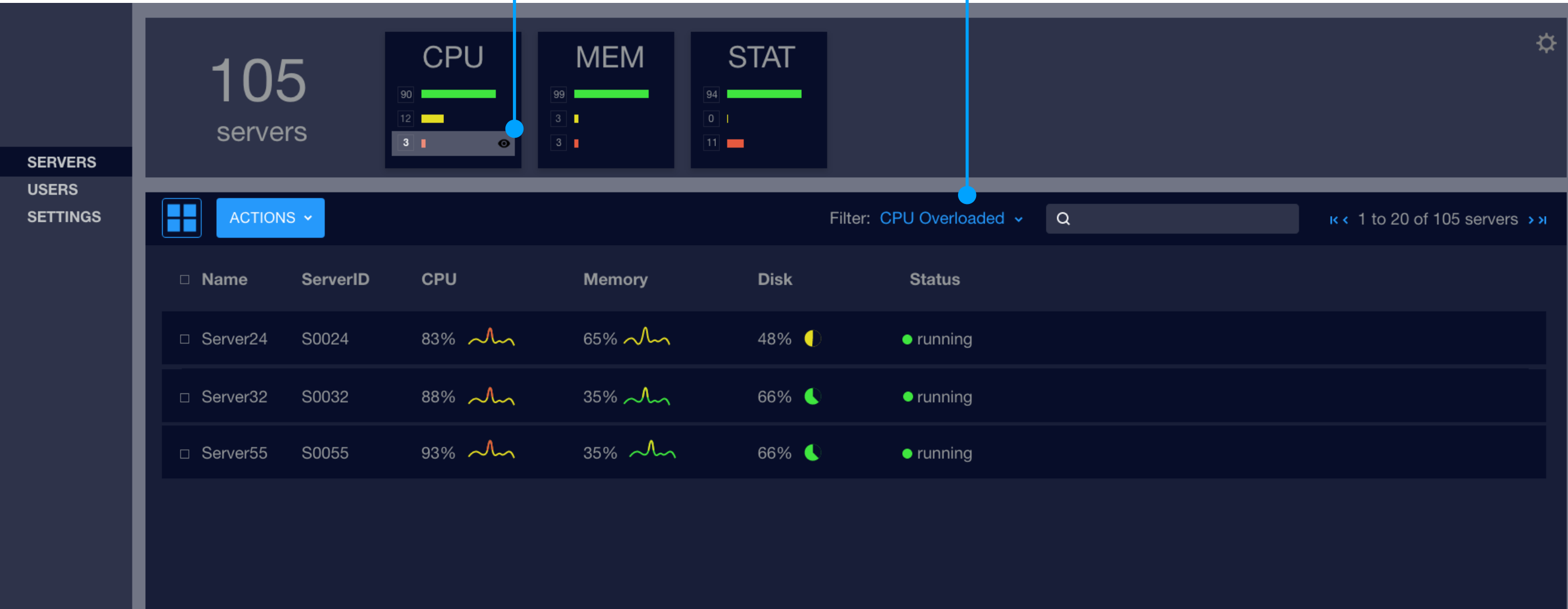# Highlight any issues with the servers

Filter

Only show relevant severs based on concerned information

Current filter applied

105
servers

SERVERS
USERS
SETTINGS

CPU

90	▬▬▬▬
12	▬▬
3	▮ 👁

MEM

99	▬▬▬▬
3	▮
3	▮

STAT

94	▬▬▬▬
0	▮
11	▬▬

⚙

ACTIONS ⌄

Filter: CPU Overloaded ⌄   🔍   I◄ ◄ 1 to 20 of 105 servers ► ►I

☐ Name	ServerID	CPU	Memory	Disk	Status
☐ Server24	S0024	83% 〰	65% 〰	48% ◑	● running
☐ Server32	S0032	88% 〰	35% 〰	66% ◖	● running
☐ Server55	S0055	93% 〰	35% 〰	66% ◖	● running

Appendix

List View

105 servers

CPU
90	████████
12	███
3	█

MEM
99	████████
3	█
3	█

STAT
94	████████
0		
11	███

SERVERS
USERS
SETTINGS

ACTIONS ⌄

Filter: All Servers ⌄ 🔍

⟨⟨ ⟨ 1 to 20 of 105 servers ⟩ ⟩⟩

☐ Name	ServerID	CPU	Memory	Disk	Status
☐ Server1	S001	23% ∿	65% ∿	48% ◑	● running
☐ Server2	S002	23% —	35% —	66% ◐	● stopped
☐ Server3	S003	23% ∿	35% ∿	66% ◐	● running
☐ Server4	S004	86% ∿	35% ∿	66% ◐	● running
☐ Server5	S005	23% ∿	35% ∿	66% ◐	● running
☐ Server6	S006	23% ∿	35% ∿	66% ◐	● running
☐ Server7	S007	23% ∿	35% ∿	66% ◐	● running
☐ Server8	S008	23% ∿	35% ∿	66% ◐	● running
☐ Server9	S008	23% ∿	35% ∿	66% ◐	● running
☐ Server10	S009	23% ∿	35% ∿	66% ◐	● running

Grid View

SERVERS
USERS
SETTINGS

105 servers

CPU	MEM	STAT
90	99	94
12	3	0
3	3	11

ACTIONS ⌄

Filter: All Servers ⌄

🔍

|< < 1 to 20 of 105 servers > >|

SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id
CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%
MEM 44%	MEM 44%	MEM 44%	MEM 55%	MEM 55%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%
STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●
SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id
CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 65%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%
MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%
STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●
SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id
CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%
MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%
STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●
SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id
CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%
MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%
STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●
SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id
CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%
MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%	MEM 44%
STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●	STAT ●
SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id	SERVER_Id
CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%	CPU 23%

Actions

105 servers

CPU	MEM	STAT
90 ████████	99 ████████	94 ████████
12 ███	3 █	0	
3 █	3 █	11 ███

SERVERS
USERS
SETTINGS

| ⊞ | ACTIONS ⌄ | 2 servers selected | | | Filter: All Servers ⌄ | 🔍 | ‖◄ ◄ 1 to 20 of 105 servers ► ►‖ |

Start ▸						
Stop ▸						
Edit ▸	Add/Edit Tags					
Rename	Change server type					

☐	Na...	...erverID	CPU	Memory	Disk	Status
☐	Se...			65% 〰	48% ◑	● running
		Change shutdown Behavior	35% ──	66% ◑		
		Get System Log				
☐	Server2	S00...	35% ──	66% ◑	● stopped
☐	Server3	S003	23% 〰	35% 〰	66% ◑	● running
■	Server4	S004	86% 〰	35% 〰	66% ◑	● running
☐	Server5	S005	23% 〰	35% 〰	66% ◑	● running
☐	Server6	S006	23% 〰	35% 〰	66% ◑	● running
☐	Server7	S007	23% 〰	35% 〰	66% ◑	● running
☐	Server8	S008	23% 〰	35% 〰	66% ◑	● running
☐	Server9	S008	23% 〰	35% 〰	66% ◑	● running
☐	Server10	S009	23% 〰	35% 〰	66% ◑	● running

Configure Overview

105 servers

SERVERS
USERS
SETTINGS

Done

CPU
90
12
3

MEM
99
3
3

STAT
94
0
11

add

ACTIONS ⌄				Filter: All Servers ⌄	🔍	|� 1 to 20 of 105 servers ⟩ ⟩|

☐ Name	ServerID	CPU	Memory	Disk	Status
☐ Server1	S001	23%	65%	48%	● running
☐ Server2	S002	23%	35%	66%	● stopped
☐ Server3	S003	23%	35%	66%	● running
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☐ Server7	S007	23%	35%	66%	● running
☐ Server8	S008	23%	35%	66%	● running
☐ Server9	S008	23%	35%	66%	● running
☐ Server10	S009	23%	35%	66%	● running

Filtered View

105
servers

CPU

90	▬▬▬▬▬▬
12	▬
3	▪ 👁

MEM

99	▬▬▬▬▬▬
3	▪
3	▪

STAT

94	▬▬▬▬▬
0	▪
11	▬

SERVERS
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ACTIONS ⌄

Filter: CPU Overloaded ⌄ 🔍 ⎸◁ ◁ 1 to 20 of 105 servers ▷ ▷⎹

☐	Name	ServerID	CPU	Memory	Disk	Status
☐	Server24	S0024	83%	65%	48%	● running
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☐	Server55	S0055	93%	35%	66%	● running

Thank you for reviewing