

Infrastructure Training

Lesson 9 Recap

Hardware Requirements

Hardware requirements

To support up to 250 Unattended robots

Web Application Server

Number of robots	< 20	< 50	< 100	< 200	< 250
CPU cores	4	4	4	4	4
RAM (GB)	4	4	4	4	4
HDD (GB)	100	100	150	200	200

SQL Server

Number of robots	< 20	< 50	< 100	< 200	< 250
CPU cores	4	4	4	8	8
RAM (GB)	8	8	8	8	16
HDD (GB)	100	200	300	SSD 400	SSD 400

ElasticSearch Server

Number of robots	< 20	< 50	< 100	< 200	< 250
CPU cores	4	4	4	4	4
RAM (GB)	4	4	8	12	12
HDD (GB)	100	100	150	200	200

Hardware requirements

To support between 250 and 500 Unattended robots

Web Application Server

Web Application Server

Number of robots	< 300	< 400	< 500
CPU cores	8	8	16
RAM (GB)	8	8	8
HDD (GB)	100	120	150

SQL Server

SQL Server

Number of robots	< 300	< 400	< 500
CPU cores	16	16	16
RAM (GB)	32	32	32
HDD (GB)	SSD 400	SSD 500	SSD 600

ElasticSearch Server

ElasticSearch Server

Number of robots	< 300	< 400	< 500
CPU cores	4	4	4
RAM (GB)	12	16	16
HDD (GB)	500	600	600

Hardware requirements

Use a Load Balancer for more than 500 Unattended robots



A NLB (software NLB, like F5 BIG-IP, NGINX, Zen Load Balancer, HAProxy) is required when Orchestrator is installed on multiple servers in a HA configuration.



Minimum requirements are to be a Layer 7 HTTP Load Balancer, configured with Round Robin algorithm, no affinity or sticky session.



SQL Server is still one single machine, therefore its Hardware Requirements are high:



SQL Server

Number of robots	> 500
CPU cores	16
RAM (GB)	64
HDD (GB)	SSD 800

Thank you!
