

Elektra Web On-Prem Installation System Recommendations

		Single Node Kubernetes Cluster * No disaster recovery * * No high availability *	Multi Node Kubernetes Cluster * Disk level High Availability * * ~5 sec data loss on disaster recovery *	Multi Node Kubernetes Cluster + External SQL Server Always on HADR Cluster * Disk and Transaction level disaster recovery * * No data loss on synchronous commit mode * * ~1 sec data loss on asynchronous commit mode *
Low	DB Server	1 x (8 vCPU 16GB Ram 100GB Disk Linux)	3 x (4 vCPU 16GB Ram 200GB Disk Linux)	3 x (4 vCPU 16GB Ram 200GB Disk Windows/Linux)**
	Application Servers			3 x (4 vCPU 8GB Ram 50GB Disk Linux)
	Backup Disk (GB)			100GB*
	MS SQL Server License			Enterprise
Medium	DB	1 x (12 vCPU 32GB Ram 200GB Disk Linux)	3 x (8 vCPU 24GB Ram 300GB Disk Linux)	3 x (8 vCPU 24GB Ram 300GB Disk Windows/Linux)**
	Application			3 x (4 vCPU 8GB Ram 50GB Disk Linux)
	Backup Disk (GB)			150GB*
	MS SQL Server License			Enterprise
High	DB	1 x (16 vCPU 48GB Ram 300GB Disk Linux)	3 x (12 vCPU 32GB Ram 500GB Disk Linux)	3 x (12 vCPU 32GB Ram 500GB Disk Windows/Linux)**
	Application			4 x (4 vCPU 8GB Ram 50GB Disk Linux)
	Backup Disk (GB)			200*
	SQL Server License			Enterprise
Ultra	DB	1 x (32 vCPU 96GB Ram 500GB Disk Linux)	3 x (16 vCPU 48GB Ram 500 Disk Linux)	3 x (16 vCPU 48GB Ram 500 Disk Windows/Linux)**
	Application			4 x (4 vCPU 8GB Ram 50GB Disk Linux)
	Backup Disk (GB)			400GB*
	SQL Server License			Enterprise

Third party licenses required for on-prem installation:

- Microsoft SQL Server
- AG Grid
- Bryntum Scheduler

Amount of Ram on SQL Server machines can be increased up to 4GB per Cpu.

*: For 30 day backup retention. Also it's recommended to store them on the cloud or in a seperate physical machine.

**: External MSSQL Cluster can be on Windows or Linux machines.