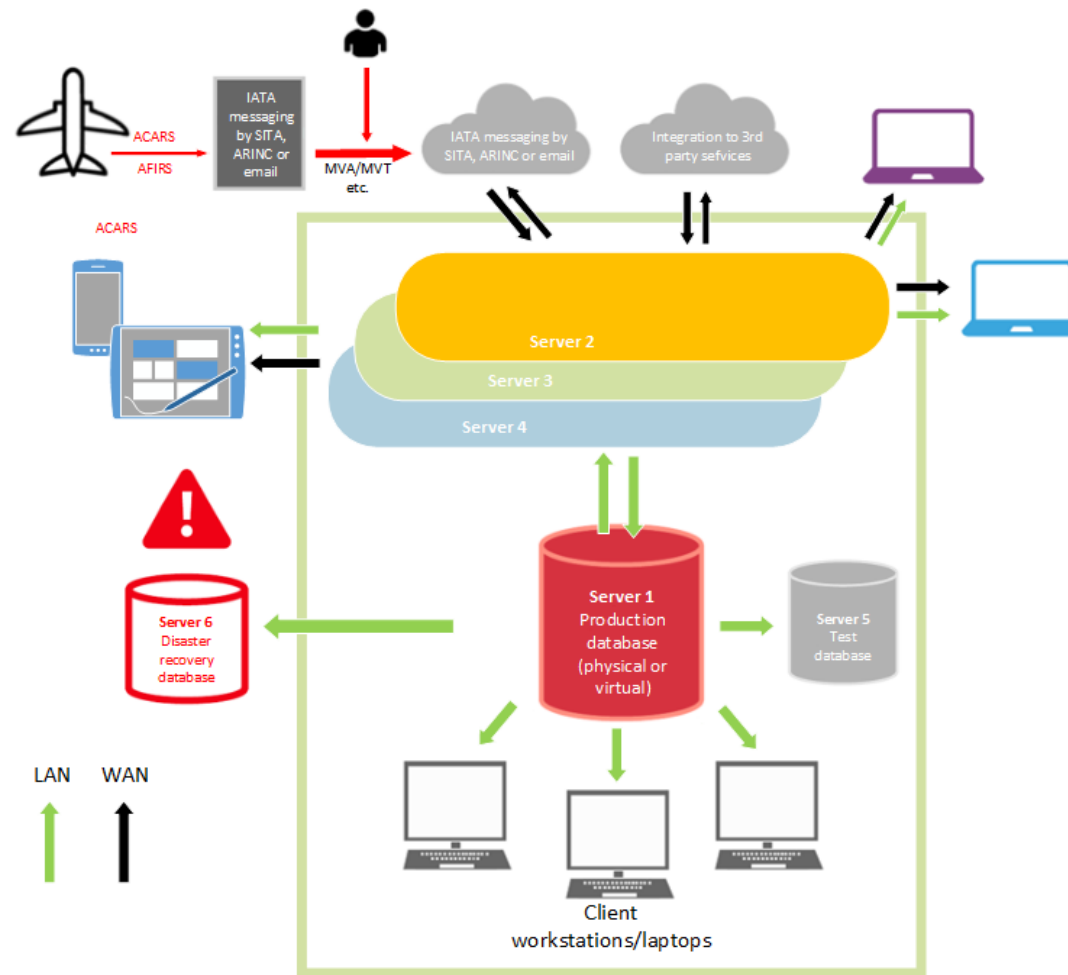
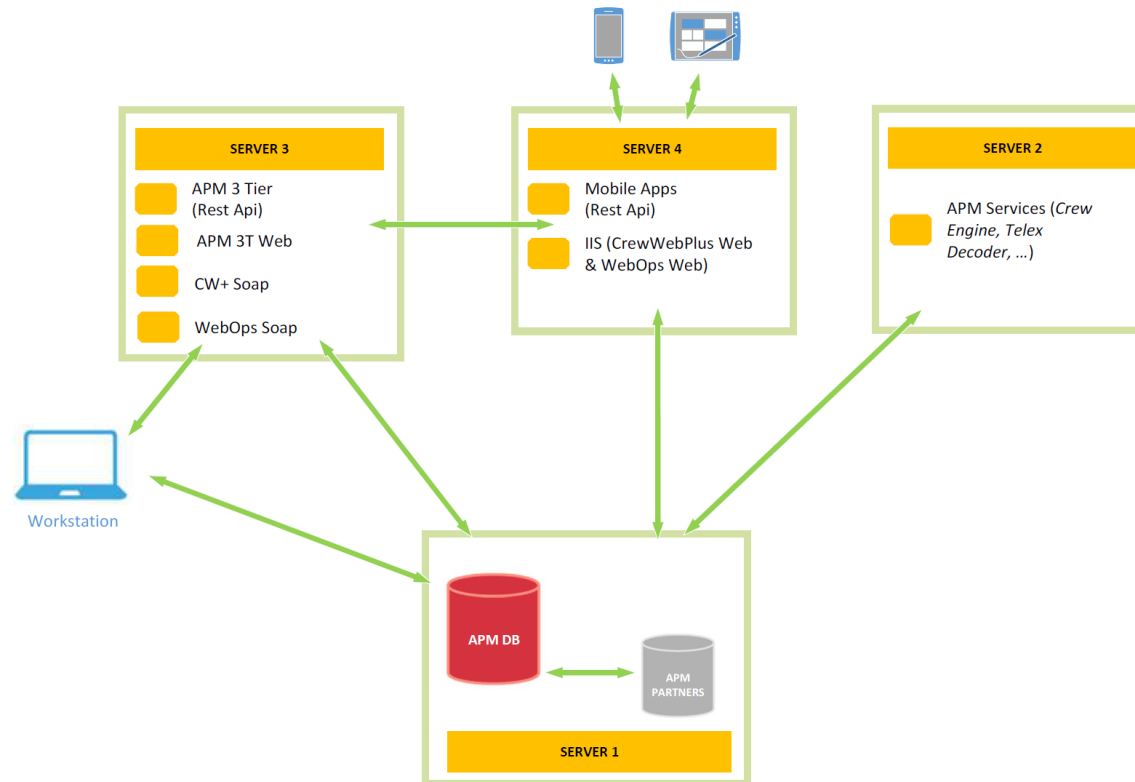


Architecture Overview





What the Production Servers perform





Hardware specifications – Client Workstations/Laptops									
	CPU	RAM	DISKS	OS	NIC	Network	Copy	Display	Web applications
Minimum requirement	1 processor 2-Cores with 2.4 GHz or more. At least 3 GHz for workstations running ScheduleSim, Crewlogic, CrewSim	At least 3 GB for workstations running ScheduleSim, Crewlogic, CrewSim The APM system uses approx. 1 GB If the optimiser is being used the customer must have 8GB) as per recommended specification)	1 with 200 GB or more (preferably SSD drive/disc)	A supported Windows operating system is required. (32 or 64 bit)	Gigabit Ethernet is recommended.	TCP/IP (standard IPv4)	SMB/CIFS client to update with the latest APM executable from the server	at least 15" Minimum 1600x900 or more with 65K of colours (16 bits)	CrewWebPlus and WebOps: 1440 x 900 or more with 65K of colours (16 bits) APM test is using 1600*900
Recommended Specifications	1 processor 2-Cores with 3 GHz for workstations running ScheduleSim, Crewlogic, CrewSim and ProfitSim. The CPU must be currently supported by INTEL.	At least 8 GB (3GB used for APM) for workstations running ScheduleSim, Crewlogic, CrewSim and ProfitSim	1 with 200 GB or more (preferably SSD drive/disc) APM use approx. 1 GB	Windows 10 or higher (32 or 64 bit)	Gigabit Ethernet is recommended.	TCP/IP (standard IPv4)	SMB/CIFS client to update with the latest APM executable from the server	at least 21" monitors for Sim users Minimum 1920x1200 or more with 65K of colours (16 bits)	CrewWebPlus and WebOps: Minimum 21" 1920x1200 or more with 65K of colours (16 bits)



Hardware specifications – Production Database Server (Server 1)						
	CPU	RAM	DISKS	OS	NIC	Network
Minimum requirement	2 processors with 4 cores at 2.6 GHz. The CPU must be currently supported by INTEL.	24 GB	(4 drives) Disk 1: 100 GB (to host the operating system and the software) Disk 2: 256 GB (to host the databases and flashback area) Disk 3 256GB (to host the archive log) Disk 4 256 GB (to host the backup files) SSD is mandatory	Windows 2012R2 Latest SP	Gigabit Ethernet is recommended.	TCP/IP (standard IPv4)
Recommended specification	2 processors with 4 to 10 cores of 2.8 or higher GHz The CPU must be currently supported by INTEL.	24 GB	(4 drives) Disk 1: 100 GB (to host the operating system and the software) Disk 2: 256 GB (to host the databases and flashback area) Disk 3 256GB (to host the archive log) Disk 4 256 GB (to host the backup files) SSD is mandatory	Windows 2019	Gigabit Ethernet is recommended.	TCP/IP (standard IPv4)

Hardware specifications – APM Services Server non Web/Rest and Mobile Apps Server (Server 2)						
	CPU	RAM	DISKS	OS	NIC	Network
Standard Minimum requirement	2 processors with 4 cores at 2.6 GHz or 2 processors with 2 cores at 2.6 GHz. The CPU must be currently supported by INTEL.	At least 16GB for SmartTelex and TelexDaemon, Telex Decoder Service Modules	Disk 1: 100 GB Disk 2: 256 GB	Windows 2012R2 or Windows 2019	Gigabit Ethernet is recommended.	TCP/IP (standard IPv4)



Hardware specifications – Rest API, CW+ Soap WebOps Soap (Server 3)						
	CPU	RAM	DISKS	OS	NIC	Network
Standard Minimum requirement	2 processors with 4 cores at 2.6 GHz. The CPU must be currently supported by INTEL.	At least 36GB for APM Mobile App Services	Disk 1: 100 GB Disk 2: 256 GB	Windows 2012R2 or Windows 2019	Gigabit Ethernet is recommended.	TCP/IP (standard IPv4)

Hardware specifications – Mobile App Server (Server 4) A						
	CPU	RAM	DISKS	OS	NIC	Network
Standard Minimum requirement	2 processors with 4 cores at 2.6 GHz. The CPU must be currently supported by INTEL.	At least 16GB for APM Mobile App Services	Disk 1: 100 GB Disk 2: 256 GB	Windows 2012R2 Latest SP or Windows 2019 IIS 8 or later Apple and Android (APM support backward compatibility of 3 OS system releases) Note : Mobile Apps only work with the APM Mobile App Server Licence	Gigabit Ethernet is recommended.	TCP/IP (standard IPv4)



Hardware specifications - Test Database Server (Server 5)						
	CPU	RAM	DISKS	OS	NIC	Network
Minimum requirement	2 processors with 4 cores at 2.4 GHz. The CPU must be currently supported by INTEL.	24 GB	(4 drives) Disk 1: 100 GB (to host the operating system and the software) Disk 2: 256 GB (to host the databases and flashback area) Disk 3 256GB (to host the archive log) Disk 4 256 GB (to host the backup files)	Windows 2012R2 (Latest SP or Windows 2019)	Gigabit Ethernet is recommended.	TCP/IP (standard IPv4)

Hardware specifications - Disaster Recovery Server (Server 6)						
	CPU	RAM	DISKS	OS	NIC	Network
Minimum requirement	2 processors with 4 cores at 2.6 GHz. The CPU must be currently supported by INTEL.	24 GB	(4 drives) Disk 1: 100 GB (to host the operating system and the software) Disk 2: 256 GB (to host the databases and flashback area) Disk 3 256GB (to host the archive log) Disk 4 256 GB (to host the backup files)	Windows 2012R2 Latest SP	Gigabit Ethernet is recommended.	TCP/IP (standard IPv4)
Recommended specification	2 processors with 4 to 10 cores of 2.8 or higher GHz The CPU must be currently supported by INTEL.	24 GB	(4 drives) Disk 1: 100 GB (to host the operating system and the software) Disk 2: 256 GB (to host the databases and flashback area) Disk 3 256GB (to host the archive log) Disk 4 256 GB (to host the backup files)	Windows 2019	Gigabit Ethernet is recommended.	TCP/IP (standard IPv4)