

**NOKIA**

# Hardware donate to Akraino from NOKIA

Disclaimer: This is our current plan but we still need to confirm.

# AirFrame OR (OCP) rack

## Rack configuration

- 1x OCP Rack 42U
- 9x OCP Compute Node
- 3x OCP Storage Node
- 3x OCP Controller Node
- 1x Rackmount Storage Node
- 2x Leaf switch
- 1x HW Mgmt switch



## Server Node configurations

### OCP Compute, Controller, Storage nodes:

- 2x Intel E5-2680v4 (14 core, 2.4GHz, 120W)
- 8x 16GB DDR4/2133 RDIMM (128GB)
- 1x Mellanox ConnectX 4 NIC, 2x 25Gbit ports, (CPU socket 0)
- 1x 1Gbit BMC port (IPMI / HW management)

# AirFrame OR (OCP) configuration

	OCP nodes	RM Storage node
Server/Processor	Nokia AirFrame (2U) OCP server 2x E5-2680v4 Broadwell, 14-Core 2.4 GHz 120W (Dual socket)	Nokia AirFrame (2U) rackmount server 2 x E5-2650 Broadwell, 10-Core 2.30GHz (Dual socket)
Memory	128GB (DDR4)	256GB (DDR4)
Network	Nokia AirFrame OCP Server with: 1 x Mellanox ConnectX 4 NIC (2x 25Gbit) + LOM port used for management and BMC	2 x LOM SFP+ Intel 10Gbit LOM 1Gbit management LOM BMC 1 Gbit
Storage	<p><b>Compute nodes:</b> 1x 400GB 2.5" SATA SSD disk Intel DC S3610 for OS</p> <p><b>Controller nodes:</b> 4 x 800GB 2.5" SATA SSD disk for OS &amp; Ephemeral storage</p> <p><b>Storage nodes:</b> 1 x mSATA 256GB for OS 6 x 800GB 2.5" SATA SSD disk for Ephemeral storage</p>	<p>12 x 6Tbit 3,25" Seagate for Ephemeral 2 x 1Tbit 2,5" Seagate for OS 2 x 800Gbit NVMe for journal</p>
Primary Leaf switch	1x Nokia AirFrame Z9100 100Gbit switch (32x 100Gbit)	
Management switch	1x Nokia AirFrame S3048-ON 1Gbit switch (48x 1Gbit + 4x 10Gbit)	
Spine switches	None	

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