

## Minimum Hardware Specifications

Current Minimum Specification (EFFECTIVE 1/1/2013)						
Tier	Server	CPU		RAM	Disk	Max Msgs / Sec
		Cores	Speed			
FH/T		Contact ACTIV with specific requirements				-
ActivFeed DCS	ActivFeed NA	64	2.3 Ghz	128 GB	2 x 600 GB	2,300,000
	ActivFeed NA Delayed	64	2.3 Ghz	128 GB	2 x 600 GB	2,300,000
	ActivFeed OPRA NBBO	64	2.3 Ghz	128 GB	2 x 600 GB	2,300,000
	ActivFeed AP & EU	32	2.3 Ghz	64 GB	2 x 600 GB	1,000,000
	ActivFeed Global Futures	32	2.3 Ghz	64 GB	2 x 600 GB	1,000,000
ActivFeed MPU	ActivFeed NA	32	2.3 Ghz	64 GB	2 x 600 GB	4,000,000
	ActivFeed OPRA Full **	128	2.3 Ghz	256 GB	2 x 600 GB	16,000,000
	ActivFeed OPRA NBBO	32	2.3 Ghz	64 GB	2 x 600 GB	5,000,000
	ActivFeed EU & AP	32	2.3 Ghz	64 GB	2 x 600 GB	4,000,000
DirectFeed DCS		Contact ACTIV with specific requirements				-
DirectFeed MPU	NA Equity Level 1 (SIP)	32	2.3 Ghz	64 GB	2 x 600 GB	2,500,000
	NA Equity Level 1 (SIP + BBO)	64	2.3 Ghz	128 GB	2 x 600 GB	4,500,000
	NA Equity Order & Depth **	128	2.3 Ghz	256 GB	2 x 600 GB	7,000,000
	OPRA Full	128	2.3 Ghz	256 GB	2 x 600 GB	15,000,000
Content Gateway	CG (Level 1 Equities)	32	2.3 Ghz	64 GB	2 x 600 GB	-
	CG (Level 1 Equities & OPRA)	64	2.3 Ghz	128 GB	2 x 600 GB	-
TSS	Time Series Server (NA)	32	2.3 Ghz	64 GB	3 x 300 GB	N/A
	Time Series Server (OPRA)	64	2.3 Ghz	128 GB	8 x 600 GB	
NEWS	News Server	8	2.1 Ghz	16 GB	2 x 600 GB	N/A

\*ACTIV recommends the purchase of HP or Dell servers and SolarFlare NICs

\*All server deployments require the use of CentOS 64 bit operating system

\*Each server processing North American content requires 2x 10Gb NICs, 1 x 1Gb NIC and an iLO port

\*Servers processing EU and/or AP content require 4 x 1Gb NICs and an iLO port

\*TSS Servers require either 15k RPM hard disks or Intel SSD disks

\*Customers should contact their account manager prior to making any hardware purchase

\*\*Note: Split between 2 x 64 core MPU servers

### \*Minimum Communications requirement:

#### ActivFeed Minimum Bandwidth Requirements

Date	AF NA	AF OPRA		NA NEWS	EU
		FULL	NBBO		
8/15/2011	160 Mbps	325 Mbps	150 Mbps	0.5 Mbps	20 Mbps
1/1/2012	250 Mbps	450 Mbps	225 Mbps	0.6 Mbps	25 Mbps

\* ActivFeed requires the use of two (2) circuits for redundant delivery of data

For more information please go to <https://support.activfinancial.com>

**\*ACTIV is not responsible for communication failures. For resiliency, it is recommended a back up communication circuit be maintained.**