Sample cpu & gpu system

CPU side: homogenous cpu types

X5650 Xeon 0	6 cores	One prime95 instance manages all cpu cores, multiple workers, multiple computation types, and its communication with
X5650 Xeon 1	6 cores	Primenet server, per system

GPU side: heterogenous NVIDIA gpu models

GPU model	Device #	TF	P-1	LL	PRP	get work	progress reporting	submit results
GTX 1070	0	Mfaktc 1 Mfaktc 2	CUDAPm1	CUDALucas	Gpuowl 6.5?	manual each	none	homebrew perl script monitor/collector all listed gpu apps to a single point per system; currently manual submit from there (compilable to static exe, don't need to install perl on every system)
Quadro 2000	1	Mfaktc	CUDAPm1	CUDALucas	Gpuowl 6.5?	manual each	none	
GTX 1050 Ti	2	Mfaktc 1 Mfaktc 2	CUDAPm1	CUDALucas	Gpuowl 6.5?	manual each	none	
Summary	projected	5	3	3	3			

total gpu app instance count, gpu side	14	projected
	11	current

(Evaluation of different versions adds to the above counts of cpu or gpu app instances. These shown are just for production.)

Available client mgmt S/w	Misfit	none	none	primenet.py
Requirements	.NET, forms			Python, or dlls installed per system & compiler somewhere (No progress reporting)

Each gpu app instance above has its own folder, ini file, worktodo file, results file, log file via redirection, batch run script.
Each CUDAPm1 or CUDALucas app instance has its own tuning files fft.txt, threads.txt, which are gpu model specific.
Mfaktc best tune for each gpu model is different, so each gpu model is individually tuned in its own ini file(s).