

## Key Benefits

### Infrastructure

- Maximize utilization of expensive software licenses
- Increase visibility into sites' license utilization leveraging real-time metrics
- On-demand license allocation adjustments

### Management

- Enforce license allocation policies across sites or business units
- Improve license cost management via license sharing

## Altair Allocator™

Allocator enables the sharing of software licenses among multiple Accelerator servers that are spread across multiple geographic sites and/or business units. This capability can be used to better utilize the software licenses by having the licenses shared among multiple queues. Allocator achieves maximized license utilization by following the fundamental rules of “following the demand”, “gradual license migration”, and “license sharing according to policies”.

Allocator Overview (All Resources)

Status as of Thu May 04 16:03:14 PDT 2017

licmon	All sites					SC Age 13s				IN Age 13s				CN Age 13s					
	T	O	V	M	A	o	r	q	a	o	r	q	a	o	r	q	a		
1 Policy:VerilogSim	408				408				240				48				120		
2 M100	100				100							9				28	71		
3 M16	16				16				9				2				5		
4 M6	6				6				4				1				1		
5 License:mmsim_combo	0				0														
6 License:mmsim2	408				408				225				53				130		
7 License:mmsim	0				0				330				50				140		
8 License:lic_sta	120				120				71				14				35		
9 License:ies	16				16												16		
10 License:FFF	55				55				33				6				16		
11 License:DDD_combo	90	▲ 20			35	45			75	5			5				1		
12 Art6	6				6				4				1				1		
Σ					Σ20	Σ35			Σ75	Σ335	Σ621		Σ14	Σ50	Σ159		Σ44	Σ294	Σ395

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## Maximizing Software License Utilization

Design organizations are often spread across multiple geographies and data centers. Coupled with the increased complexity in today's SoC designs that drive up the cost of EDA software licenses, organizations have an increasing need to share a common software pool in this complex environment in order to manage their total investment.

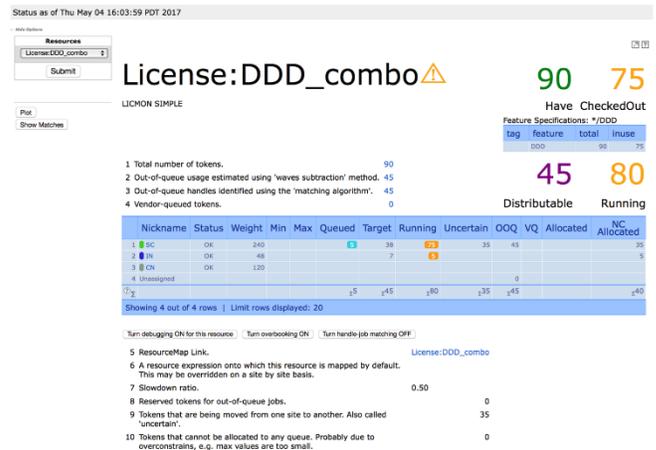
While sharing a common pool of licenses can achieve the overall cost objectives, the migration from site specific licenses to shared software resources can present multi-sited organizations with challenges. Allocator is designed with the needs of multi-sited organizations in mind, allowing for EDA licenses to be shared across multiple geographies.

Allocator works in conjunction with license monitoring and workload scheduling solutions such as Altair Monitor™ and Altair Accelerator™. It keeps track of total number of licenses in the pool, those in use, and allocates the available licenses across geographic sites or business units use of software licenses through via comprehensive resource management policies.

## Greater Operational Efficiency

Another facet of sharing software resources across multiple sites is having clear visibility on how licenses are being utilized across the organization along with the ability to prioritize and allocate licenses based on organization needs.

Allocator provides organizations with the necessary software license policy management features to adjust the allocation of software licenses in order to maximize the utilization of their software assets.



Allocator’s advanced features provide the most comprehensive license management and allocation solution available:

- Allocator’s metrics provide historical visibility in license utilization and status across multiple sites
- Overbooking allows greater utilization of licenses
- Allocator’s advanced matching algorithm, including matching by process ID (PID), allows for more accurate allocation of licenses across sites
- Organizations can set internal license management policies by allocating a maximum number of licenses that can be allocated to any given site

All of the features listed are included in the product.

