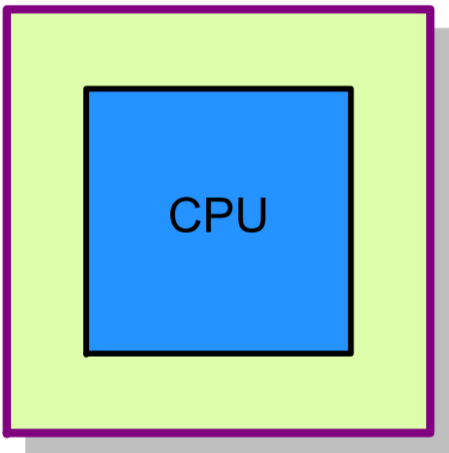
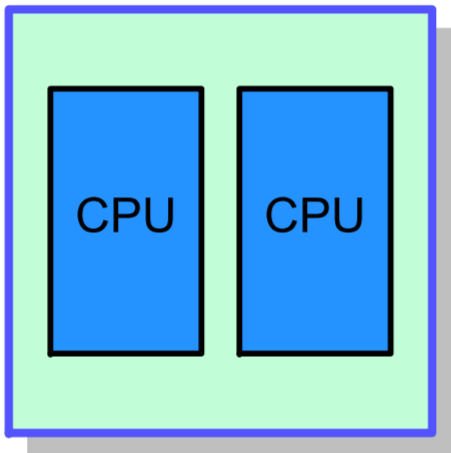
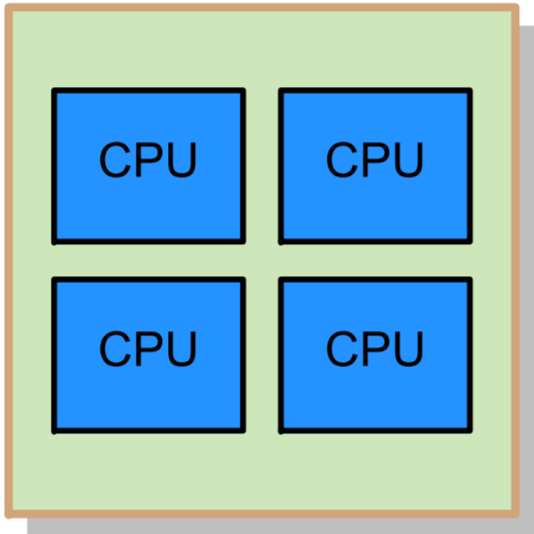
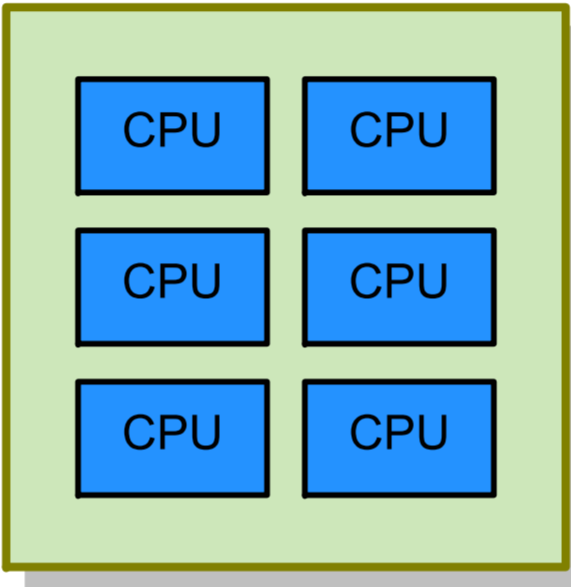
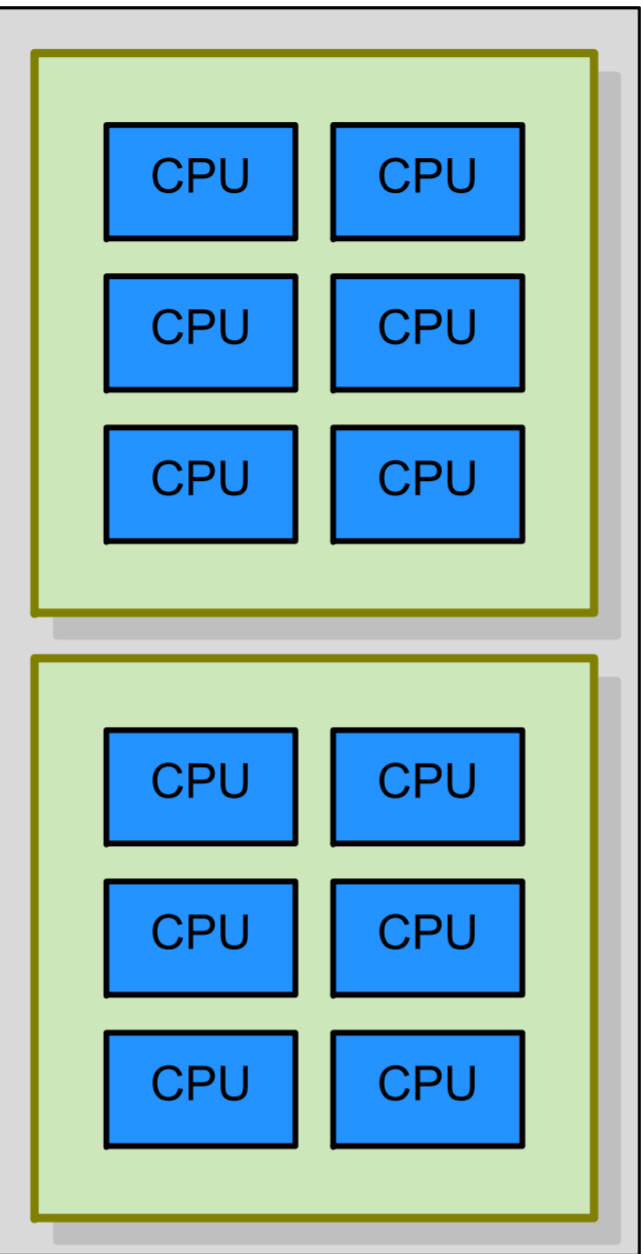
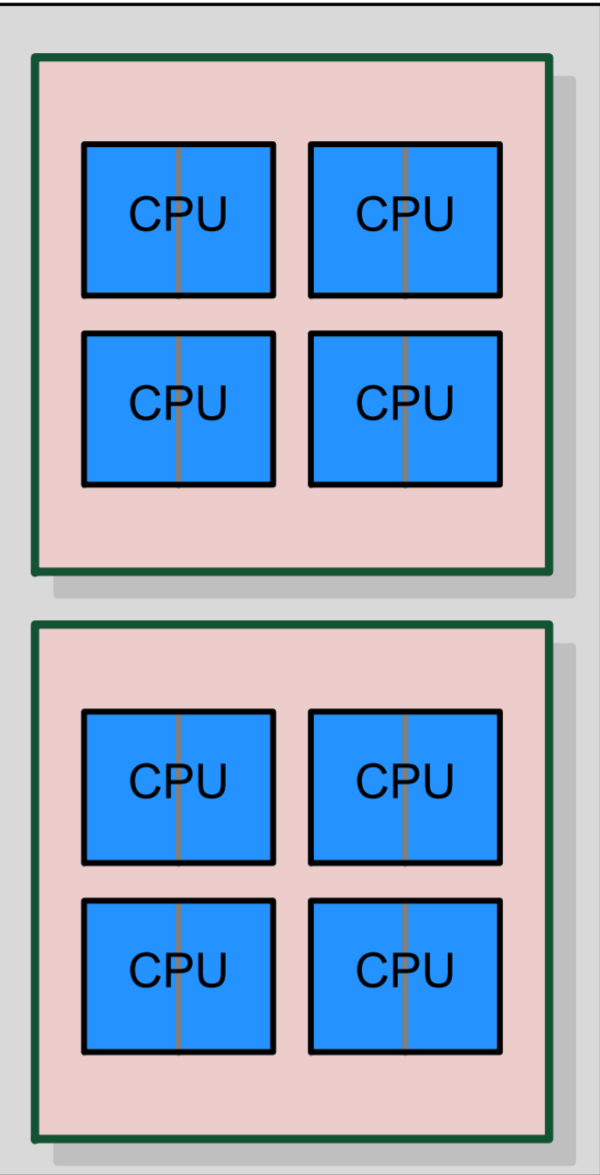
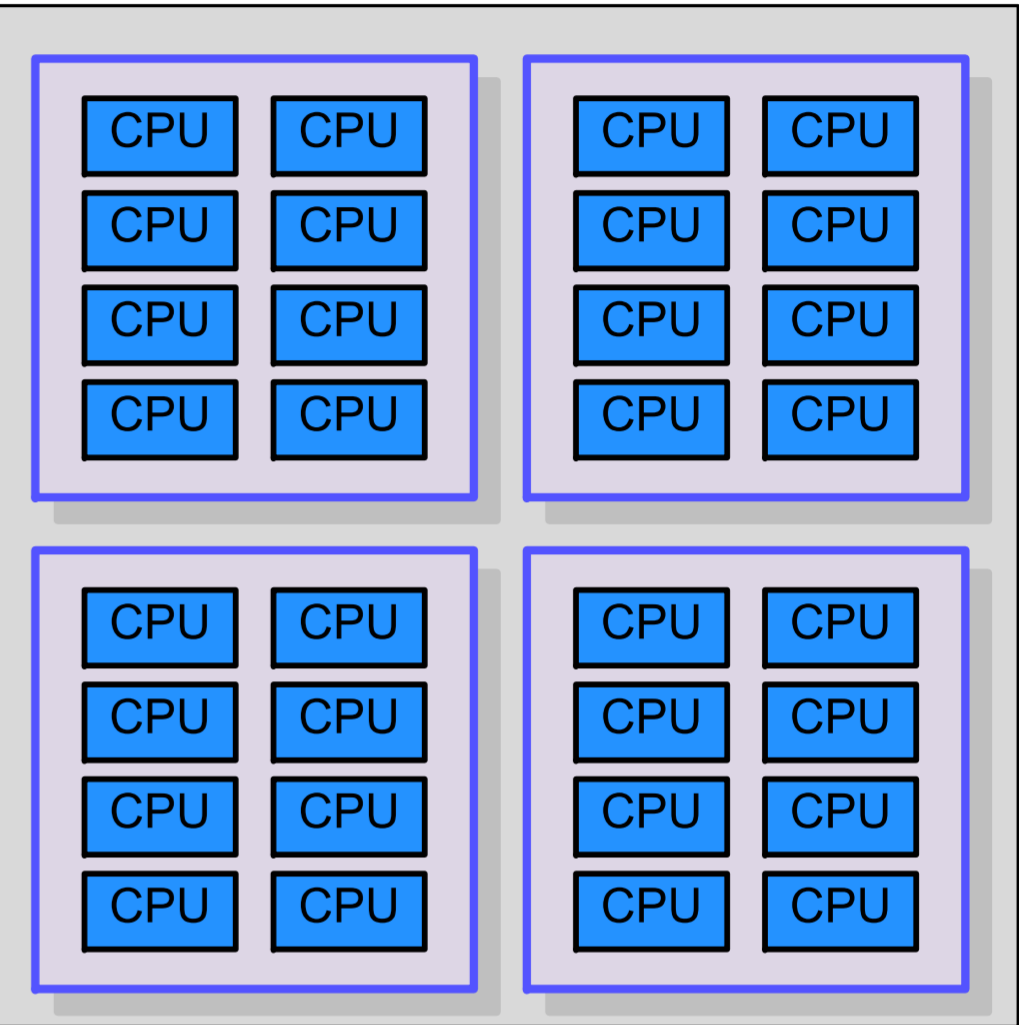


# AMD Server CPU Die Size and Core Count

																						
<b>CPU Architecture</b>	<b>K8</b>				<b>K10</b>								<b>Bulldozer</b>				<b>Zen</b>					
<b>Code Name</b>	<b>SledgeHammer</b>		<b>Egypt</b>		<b>Barcelona</b>		<b>Istanbul</b>		<b>Magny-Cours</b>			<b>Interlagos</b>				<b>Naples</b>						
<b># of Cores</b>	<b>1 Core</b>		<b>2 Cores</b>		<b>4 Cores</b>		<b>6 Cores</b>		<b>12 Cores</b>			<b>16 Cores/8 Modules</b>				<b>32 Cores</b>						
<b># of Threads</b>	<b>1 Thread</b>		<b>2 Threads</b>		<b>4 Threads</b>		<b>6 Threads</b>		<b>12 Threads</b>			<b>16 Threads</b>				<b>64 Threads</b>						
<b>Die Size (1 die)</b>	<b>193mm<sup>2</sup></b>		<b>199mm<sup>2</sup></b>		<b>283mm<sup>2</sup></b>		<b>346mm<sup>2</sup></b>		<b>346mm<sup>2</sup> x2</b>			<b>315mm<sup>2</sup> x2</b>				<b>213mm<sup>2</sup> x4</b>						
<b>Die Size (Total)</b>	<b>193mm<sup>2</sup></b>		<b>199mm<sup>2</sup></b>		<b>283mm<sup>2</sup></b>		<b>346mm<sup>2</sup></b>		<b>692mm<sup>2</sup></b>			<b>630mm<sup>2</sup></b>				<b>852mm<sup>2</sup></b>						
<b>Process</b>	<b>130nm</b>		<b>90nm</b>		<b>65nm</b>		<b>45nm</b>								<b>32nm</b>				<b>14nm</b>			
<b>Year</b>	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019					