











Objects in Memory						
	Example: Size and alignment on Linux servers					
	• 32-bit architecture (2 <sup>32</sup> = 4 GB): •			64-bit architecture (2 <sup>64</sup> = 16 EB) e.g. crystalcove.eecs.uci.edu:		
	Туре	Size Alignment		Туре	Size Alignment	
	char	1	1	char	1	1
	short	2	2	short	2	2
	int	4	4	int	4	4
	long	4	4	long	8	8
	long long	8	4	long long	8	8
	float	4	4	float	4	4
	double	8	4	double	8	8
	long double12 4		long double16 16		16	
	void*	4	4	void*	8	8
	EECS22: Advanced C Prog	Lecture 12	(c) 2014 R. Doemer 7			



























