



Academic Computing and Networking Services




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Web Server Standards

Below is a list of web server software and configuration standards supported at Colorado State University. Each product has an arrow associated with it.

	An up arrow indicates the product is the upcoming or the most current standard on campus. Users are encouraged to implement these products as soon as possible and can expect the highest degree of support for items with this symbol. Generally, these products are supported with consultation and training.
	A right arrow indicates that the product is no longer the most current or that there is a question about the stability of the company that supports the product. While many of the products in this category are widely used on campus, their usefulness may be limited due to changing industry or campus standards. Those using products in this category should plan to migrate to a currently supported product within 18 to 24 months, or sooner as opportunity permits (for example, when upgrades are being done).
	A down arrow indicates the product is outdated and is no longer supported. Users should make immediate plans to upgrade to a supported product.
UR	Indicates a product is under review.

Support

Academic Computing and Networking Services (ACNS) will provide support for products with an up arrow. Support may consist of training, consulting, troubleshooting, or purchasing.

- Training is provided for system administrators and users. System administrator training is accomplished through demonstrations and technical user groups. User training is accomplished via demonstrations, hands-on workshops and self-teaching materials (video tapes, CD-ROMs). Currently user training is provided for the one industry standard software suite, Microsoft Office. In addition, training is provided for the most current Windows and UNIX operating systems, electronic mail programs, and web browser, composer, and course development software.
- Consulting is available for supported products through services provided by the Morgan Library Computing Help Desk.
- For supported products ACNS will secure the best educational pricing available from vendors or, where possible, acquire site licenses. Products are sold or distributed through [RAMtech](#).

Minimum Web Server Standards for CSU

Web Server Element	Version/Implementation	
Server Application (Windows) Web Server Element	IIS 8.5 (Server 2012 R2)	↑
	IIS 7.5 (Server 2008 R2)	↑
Server Application (Unix/Linux/Mac)	Apache (with OpenSSL 1.0.2)	↑
	Apache (with OpenSSL 1.0.1)	→
Authentication Method *	Shibboleth	↑
	eID WebAuth	→
	Windows Integrated	↓
	LDAP	↓
Server Certificate **	InCommon SHA-2	↑
	InCommon SHA-1	→
Encryption Protocol	TLS 1.2	↑
	TLS 1.1	→
	TLS 1.0	↓
	SSL v3	↓
Single Sign-On	Shibboleth	↑
	CAS	→
Two-Factor Authentication	Duo Security	↑
* Any site that authenticates users must use https with TLS encryption		
** InCommon SSL certificates should be obtained via the ACNS web site. The application process requires a scan for secure configuration settings.		

Standards Navigation

- [Standards Home](#)
- [Desktop Software](#)
- [Personal Computer Hardware](#)
- [Computer Projectors](#)
- [Networking and Wireless](#)
- [Student Hardware/Software](#)
- [Web Servers](#)

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