

REDEEMERS UNIVERSITY, EDE, OSUN STATE.

ASSIGNMENT - CSC 828 (INTERNET TECHNOLOGY)

ON

WEB SERVERS COMPARISON

BY

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SUBMITTED TO:

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Four web servers are compare based on 18 criteria. This will provide the opportunity to explore the capabilities of each of the servers and enhance decision making as to which server is suitable for different situations.

The comparison is as follows:

Criteria	Apache	Nginx	IIS	LiteSpeed
Performance (Static)	Good	Excellent	Good	Excellent
Performance (Dynamic)	Good (via mod_php)	Fair (via PHP-FPM)	Excellent (.NET)	Excellent (PHP native)
Architecture	Process/Threaded	Event-Driven	Threaded	Event-Driven
Supported OS	Cross-Platform	Cross-Platform	Windows Only	Cross-Platform
Protocol Support	HTTP/1.1, 2	HTTP/1.1, 2, 3	HTTP/1.1, 2	HTTP/1.1, 2, 3
HTTPS/SSL Support	Yes (mod_ssl)	Yes (native)	Yes (native)	Yes (native)
Reverse Proxy	Yes	Yes (native)	Yes	Yes
Load Balancing	Basic (mod_proxy)	Advanced	Yes (App Request Routing)	Yes (built-in)
Ease of Configuration	Moderate (text files)	Simple (conf files)	Easy (GUI)	Easy (GUI + conf)
Resource Usage (Memory/CPU)	Moderate to High	Low	High	Low to Moderate
Security Features	Moderate (mod_security, etc.)	Good	Strong (Windows ACLs)	Strong (mod_security, DOS protection)
Module/Plugin System	Extensive	Limited (needs recompilation)	Moderate (via Roles)	Moderate
Dynamic Language Support	PHP, Perl, Python	PHP (via FPM), Python	ASP.NET, PHP	PHP (native), others
Built-in Admin Interface	No	No	Yes	Yes
Monitoring/Logging	Standard	Standard	Advanced	Advanced
Licensing	Open Source (Apache)	Open Source (BSD)	Free (with Windows)	Freemium (OpenLiteSpeed &

	2.0)			Paid)
Best Use Cases	PHP apps, legacy servers	Static files, proxy, microservices	.NET applications	WordPress, shared hosting
Community & Support	Large Community	Large Community	Microsoft Support	Commercial Support