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Thread: [# \[GUIDE\] Advanced Windows Server Performance Tuning](#)

techpacket - February 16, 2026, 2:50 am

This guide is for optimizing production Windows Server for better performance, stability & resource management.

Tested on:

Windows Server 2016

Windows Server 2019

* Windows Server 2022

? 1 Power Plan Optimization

By default, Windows uses Balanced mode.

Set to High Performance:

...

Control Panel -> Power Options -> High Performance

...

Or via CMD:

```
``powershell
powercfg -setactive SCHEME_MIN
```
```

? Reduces CPU throttling

? Better for VPS / Dedicated

## # ? 2 Disable Unnecessary Services

Run:

...

services.msc

...

Common services you can disable (if not needed):

...

- Windows Search
- Superfetch (SysMain)
- Print Spooler (if no printer)
- Xbox Services
- Fax

...

? Do NOT disable critical system services.

### # ? 3 Pagefile Optimization

System Properties -> Advanced -> Performance -> Virtual Memory

Recommended:

---

Custom size

Initial = RAM size

Maximum = 1.5x RAM

---

Example:

---

16GB RAM -> Initial: 16384 MB

Max: 24576 MB

---

### # ? 4 Network Stack Optimization

Open CMD (Admin):

```powershell

netsh int tcp set global autotuninglevel=normal

netsh int tcp set global rss=enabled

netsh int tcp set global chimney=enabled

netsh int tcp set global netdma=enabled

```

Check status:

```powershell

netsh int tcp show global

```

? Better throughput

? Reduced latency

### # ? 5 Disable Visual Effects (For VPS)

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System -> Advanced -> Performance -> Adjust for best performance

---

Reduces GUI overhead.

### # ? 6 Disk Optimization

Enable write caching:

```

Device Manager -> Disk Drives -> Policies -> Enable write caching

```

If SSD:

```powershell

fsutil behavior set DisableDeleteNotify 0

```

(Enables TRIM)

# ? 7 Disable Startup Bloat

Open:

```

Task Manager -> Startup

```

Disable unnecessary startup apps.

# ? 8 Security Hardening (Basic Performance Friendly)

? Disable unused roles & features

? Remove unnecessary IIS modules (if using IIS)

? Enable Windows Defender exclusions for heavy app directories

# ? 9 Monitor Before & After

Use:

```

perfmon

resmon

taskmgr

```

Check CPU / RAM / Disk Queue / Network usage.

# ? Bonus: Core Mode (Advanced Users)

If GUI not required:

Convert to Server Core installation for lower resource usage.

Less attack surface + more performance ?

# ? Final Advice

Always:

? Take backup before registry/network changes

- ? Test tuning in staging server first
- ? Monitor for 24h after applying tweaks

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**webdev77** - February 16, 2026, 9:27 am

(Feb 16, 2026 03:50 AM)techpacket Wrote: [\[CITE\]](#) This guide is for optimizing production Windows Server for better performance, stability & resource management.

Tested on:

- Windows Server 2016
- Windows Server 2019
- \* Windows Server 2022

- Xbox Services

Whatever testing methodology was used needs to be heavily explained as this isn't even possible. Looks like straight up GPT spam.