Types of hosting
DevStaff Meetup #23

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Who am I?

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Intro

- Need to host a new site

- How do I choose from?

- What hosting suits my needs?

- Many buzzwords...

Shared hosting

- Many sites share resources on the same machine

- Widely used

- Easy to configure, no need to edit conf files
    - Web hosting panels: Plesk, cPanel, ISPConfig

- Cost: 3 – 15 euros / month

- Target group: Freelancers, site owners

Shared hosting

- Pros:
  - Quick way to start your site/business
  - Ability to install webapps with just a click (Plesk/cPanel)
  - Sever and its services are managed by provider
  - You have to worry only for your site's code
  - Provider offer backup/security solutions or other services
- Cons:
  - Traffic / Disk limitations (depends on your package)
  - Limited support (e.g. install other services, server libs etc.)

Reseller hosting

- Shared hosting with ability to sell space to others

- Manage your customers/plans

- Integration with billing solutions (WHMCS)

- Cost: 25 – 75 euros / month

- Target group: Freelancers, Web design studios, SMBs

Reseller hosting

- Pros:
  - Create a hosting business with no physical hosting management

- Cons:
  - Traffic / Disk limitations still exist
  - Utilize a portion of server's resources, not all

VPS hosting

- VPS: Virtual Private Server

- Use a dedicated VM to host your site, application

- Access to VM, fully customizable

- Cost: 15 – 75 euros / month

- Target group: Advanced users, Small hosting providers

VPS hosting

- Pros:
  - Fully customizable, extensible
  - Cheaper than a bare-metal server
  - Hardware independent
- Cons:
  - Server management is not included (or is an extra)
  - Monitoring/updates on OS, services etc.
  - Provide your own backup/security solution

Dedicated server hosting

- A bare metal server at your services!

- More resources, fully customizable

- Cost: 50 – 250 euros / month

- Target group: Small/Medium hosting providers

Dedicated server hosting

- Pros:
  - Hardware problems are usually managed by others

- Cons:
  - Server management is not included (or is an extra)
  - Monitoring/updates on OS, services etc.
  - Provide your own backup/security solution
  - Hardware-specific problems (e.g degraded RAID)

Cloud hosting

- Pay as you use fashion
- Target group: Hosting providers
- Price: Sky is the limit!
- Pros
  - Scalability
  - Hardware independence
- Cons
  - High price compared to other solutions for some providers (e.g Amazon)

Hey, I need a VPS/dedicated server for my high-traffic site, but I can't afford price/management costs. What can I do?
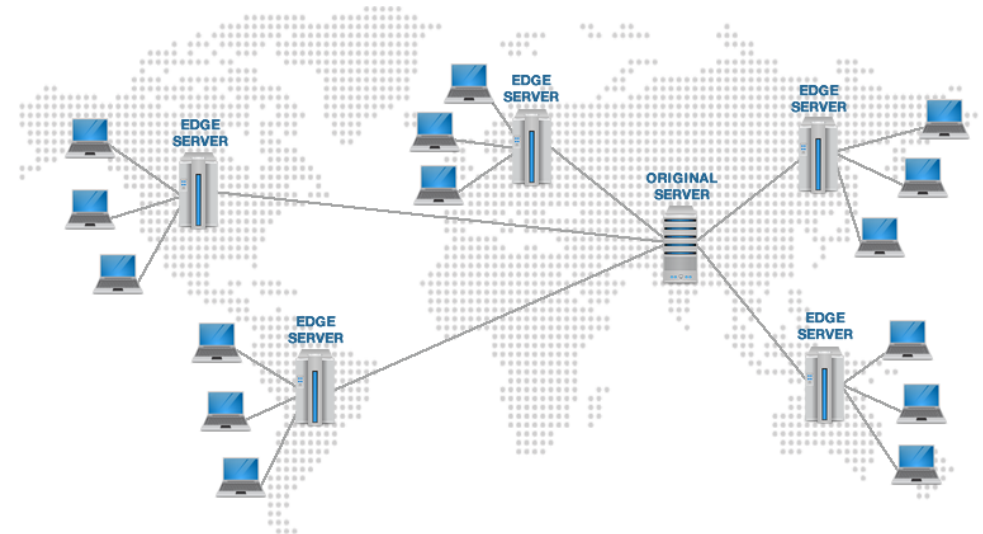
Semi-Dedicated

- Best of two worlds
- Cost: 20-50 euros/month
- Target group: e-shops, news portals, high-traffic/load sites
- Pros
  - Focus only on your site
  - Increased resources compared to traditional shared hosting
- Cons
  - Limited customized services (e.g streaming server etc.)

Managed Application Hosting

- Provide management for CMS (Wordpress)

- Target group: news sites, large blogs

- Pros

  - Provider manages the whole stack

- Cons

  - Limited customization on some providers

Content Delivery Network

- Serve (static) content from multiple locations (or PoPs)

- Ensure that client requests content from closest PoP

- Reduce load on your server

- Clients served faster

- Suitable for streaming

So which is suitable for me?

- Do your homework before
  - Resources I need
  - Expected traffic / growth
  - Optimization
- Rule of thumb: Start with the one that covers your minimum requirements

Thank you!