**Private cloud** is a **cloud computing environment** where all hardware and software resources are **dedicated exclusively to a single customer**. [It combines the benefits of cloud computing with the control and security of on-premises infrastructure](http://social.technet.microsoft.com/wiki/contents/articles/4519.private-cloud-planning-guide-for-service-delivery.aspx)[1](https://bing.com/th?id=OIP.gNBTBQeQsJeR5PS9QMtxSAHaFZ).

Here are **five free resources** where you can learn more about private cloud system design:

1. **OpenStack Tutorial**: Learn how to operate your own private cloud using the open-source software OpenStack. [This tutorial covers setting up and administering OpenStack, as well as commonly used services](http://social.technet.microsoft.com/wiki/contents/articles/4519.private-cloud-planning-guide-for-service-delivery.aspx)[2](https://www.freecodecamp.org/news/openstack-tutorial-operate-your-own-private-cloud/).
2. [**Noble Desktop’s Blog & Learn Resources**: Explore various cloud computing topics, including private cloud, through their free blog articles and tutorials](http://social.technet.microsoft.com/wiki/contents/articles/4519.private-cloud-planning-guide-for-service-delivery.aspx)[3](https://www.nobledesktop.com/learn/cloud-computing/free-resources-and-tutorials).
3. [**LinkedIn Learning - System Design in Cloud**: This course provides an overview of system design concepts in cloud computing, including private cloud architecture examples](http://social.technet.microsoft.com/wiki/contents/articles/4519.private-cloud-planning-guide-for-service-delivery.aspx)[4](https://www.linkedin.com/learning/system-design-in-cloud).
4. [**TechBeacon - 22 Essential Learning Resources for Cloud Developers and Admins**: Discover a curated list of resources for cloud learning, including private cloud topics](http://social.technet.microsoft.com/wiki/contents/articles/4519.private-cloud-planning-guide-for-service-delivery.aspx)[5](https://techbeacon.com/enterprise-it/22-essential-learning-resources-cloud-developers-admins).
5. [**Clinked Blog - How to Build a Private Cloud**: Learn about the steps involved in building a private cloud, including standardization, consolidation, virtualization, automation, and orchestration](http://social.technet.microsoft.com/wiki/contents/articles/4519.private-cloud-planning-guide-for-service-delivery.aspx)[6](https://blog.clinked.com/how-to-build-a-private-cloud).

Feel free to explore these resources to deepen your understanding of private cloud system design! 🌟