

Unit 9: Developing an API for a Distributed Environment

Required Reading

Pillai, A.B. (2017) *Software Architecture with Python*. Birmingham, UK. Packt Publishing Ltd.

- Chapter 5.

Salah, T., Zemerly, M. J., et al. (2016) *The Evolution of Distributed Systems towards Microservices Architectures*, in Proc. of the 11th International Conference for Internet Technology and Secured Transactions.

Winkfield, L., Hu, Y-H., Hoppa, & M. A. (2018) *A Study of the Evolution of Secure Software Development Architectures*, Journal of the Colloquium for Information System Security Education.

Additional Reading

Hadiyoso S., Alfaruq A., Hariyani Y.S., Rizal A., Riza T.A. (2021) *Design and Implementation of a Registration System with Mobile Application at Public Health Center Based on IoT Using a RESTful API*. In: Triwiyanto, Nugroho H.A., Rizal A., Caesarendra W. (eds) *Proceedings of the 1st International Conference on Electronics, Biomedical Engineering, and Health Informatics. Lecture Notes in Electrical Engineering*, 746. Springer, Singapore. DOI: https://doi.org/10.1007/978-981-33-6926-9_2

Nugroho, L. E., Azis, A., Mustika, I. W. & Selo (2017) *Development of RESTful API to support the oil palm plantation monitoring system*. 7th International Annual Engineering Seminar (InAES). 1-5. DOI: <https://doi.org/10.1109/INAES.2017.8068545>.

Sohan, S. M., Anslow, C. & Maurer, F. (2017) *Automated example oriented REST API documentation at Cisco*. IEEE/ACM 39th International Conference on Software Engineering: Software Engineering in Practice Track (ICSE-SEIP). 213-222. DOI: <https://doi.org/10.1109/ICSE-SEIP.2017.11>.