**Training Plan**

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| Theme | Synergic Cross-Layer BPaaS Monitoring and Adaptation Framework |
| Situation | We explain to the Participants (Students, Researchers, Technical Experts) what are the main issues in BPaaS monitoring and adaptation and then we present our solution which comprises the integration of layer-specific frameworks developed by the FORTH & UULM partners in CloudSocket. Students and researchers will appreciate the innovativeness of the proposed work while technical experts will be interested in its technical details in order to adopt and transform it into a market-ready tool. |

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| ***Goals:*** |
| Analyse the Synergic Cross-Layer Monitoring and Adaptation Framework that has been devised by FORTH and UULM project partners  |
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| ***Sub-Goals:*** |
| Participants get aware of the challenges in BPaaS monitoring and adaptation |
| Participants are acquainted with the main features and architecture of the synergic BPaaS Monitoring and Adaptation Framework |
| Participants are made aware of the extensions performed on CAMEL to support the modelling of adaptation rules |
| A validation of the framework is presented which shows how a certain adaptation scenario for a BPaaS can be addressed by the proposed framework. |
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Planned Training flow

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| **ID** | **Topic** | **Method** | **Media** | **Sequence** |
| 1 | Motivation | Presentation | Slides,Newspaper, YouTube | *Introduction to Cloud Orchestration.* |
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Overall Demonstration:

* <https://www.youtube.com/watch?v=kHzwH5RMR20>

Deployment Demonstration:

* <https://www.youtube.com/watch?v=7oRNdCcT4H8&t=1319s>

Monitoring Demonstration:

* TO BE DONE IN DECEMBER

Moodle Course:

* Moodle.docx

Lecture Slides:

* Cloud\_Lecture.pptx

Online Tutorial:

* Monitoring: <http://cloudiator.org/docs/tutorial_monitoring.html>
* Scaling: <http://cloudiator.org/docs/tutorial_scaling.html>