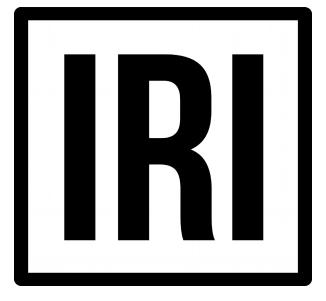
Arhuaco: Grid Security Monitoring



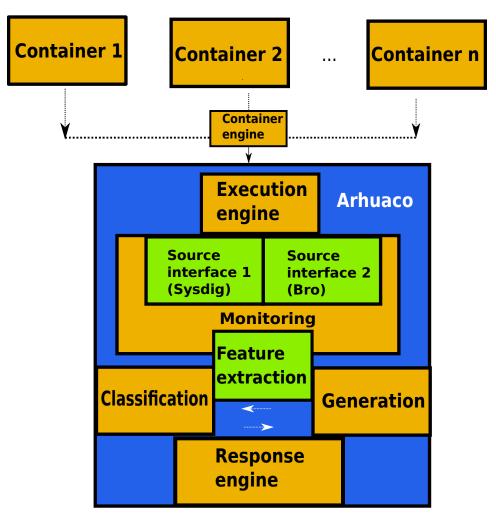
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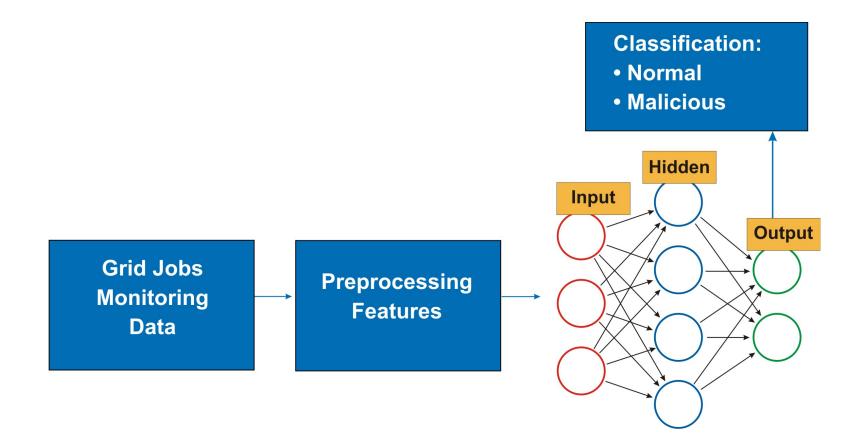
Deep learning and **Security by Isolation** For Intrusion Detection and Prevention





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Deep learning and **Security by Isolation** For Intrusion Detection and Prevention





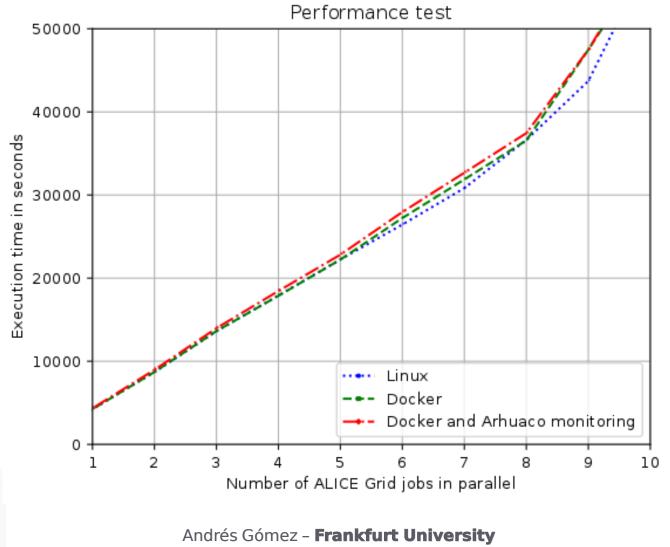
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ALICE Grid Security Monitoring

- > Linux Containers
- > Deep Learning
- Convolutional Neural Networks
- > Recurrent Neural Networks LSTM Generative method for improving training
- Grid Jobs normal vs malware

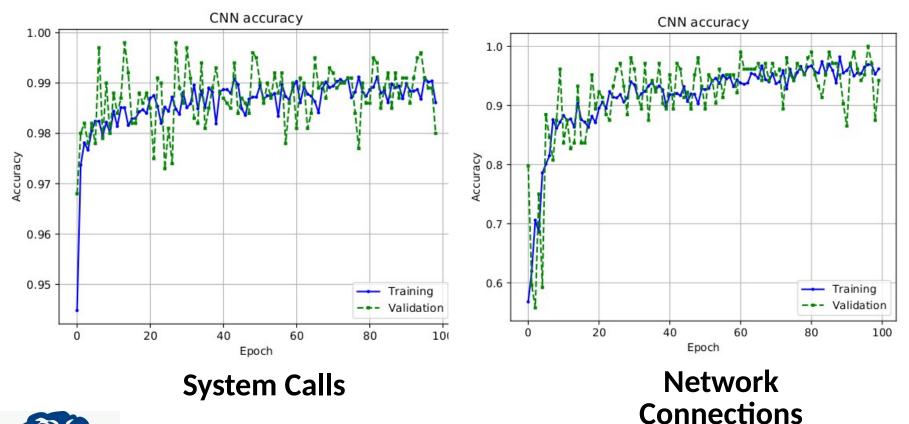


Performance results





ALICE Grid jobs – normal vs malware: results



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