Acumos - Enabling Commercialization of AI/ML Assets

Sahar Tahvili, PhD. Lead Data Scientist
Ericsson, Global Artificial Intelligence Accelerator (GAIA), Sweden

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Bridging the gap between Innovation and Implementation
Platform User Flow

**Modeler**
- Import artifacts required by template
- Store in repository
- Train, if necessary, to form predictor
- Package and deploy as microservice

**Analyst**
- Establish workflow
- Chain together microservices
- Package and submit to common catalog
- Simulate/test/validate

**Solution Marketplace**
- Publish
- Catalog

**User**
- Deploy

**Platform Operator**
- Searchable catalog of solutions
- Enter/Read reviews
- Adapt to data set types
- ‘App store’ capabilities

**Platform User Flow**
- Select solution from marketplace
- Connect to data set
- Deploy to runtime environment
- Improve model accuracy through experience

**DATA**
- Training Datasets

**TOOLKITS+ Platform API**
- RCloud
- Spok H2O
- Learn
- TensorFlow
- Torch
Enabling licensing to support commercialization
Acumos Boreas Release Highlights

- Support for AI/ML model suppliers to provide a commercial software license with their models in the Acumos marketplace.
- Enhanced support for deploying Acumos platform under Kubernetes
  - Support for ML Workbench to allow the creation and training of AI/ML models in Acumos platform
  - Support for onboarding of ONNX, PFA and Dockerized models.
  - Enhanced Acumos platform peering through a controlled process of partner catalog publication and subscription.
  - Enhanced user experience in portal.
  - Enhanced logging standards
Licensing Details

Acumos - Local Instance

1. Model License
2. Publisher
3. Model Catalog (Public or Company View)
4. CDS
5. License Manager
6. Security Verification
7. User (download/deploy)
8. Model Activity reporting

Acumos - Marketplace
Licensing Details - Boreas features

1. Create license artifact for ML models
2. Onboard a model with license artifact
3. Enable security verification scans
4. Provide configurable policy and workflow to verify model license
5. Enable portal/CDS integration to store Right To Use(RTU)/Entitlement
6. Validate existence of RTU in license manager library
7. Enhance security verification to call license manager for RTU validation
8. Enable tracking and reporting of model activities
9. New license tab in model management screen to view contents of model license artifact
Model usage tracking — lifecycle in Boreas
Model usage trading – lifecycle (federated) in Boreas
Join the Wave with Acumos Build a HARMONIZED AI word

Access - Build - Share - Deploy

Making AI available to everyone!

Acumos AI