Использование ИИ для эксплуатации и обслуживания сетей связи

Павел Мосин, Эрикссон
pavel.mosin@ericsson.com
Эксплуатация на основе данных и с помощью ИИ

Collect

Think

Act

Data Lake

Machine Intelligence

Automated execution & human support

Data-driven infrastructure & applications powering the business

Network/ IT/ Optimization data

Data

Data

Data

Data

MI Edge

Weather

News / Global Events

Social Media

Geolocation

Additional data

Data

Data

Data

Data

Data

Data

Data

Data

Data

Data

Data

Data

Data

Data

Data

Data

Data

Work order

Field Service

Resolution

Resolution

2019-04-03
ИИ для эксплуатации сетей связи
Машиноное обучение и прогнозная аналитика — Примеры

- KPI Degradation Prediction
- Site Pattern & Anomaly Detection
- Power Failure Detection
- Field Dispatch Optimization
- Sleeping Cell Prediction
Password reset

Subject: F5 password reset
Body: Can I have a password reset for the below account: John.Smith@CloudTel.com

Please provide your F5 user name

Username is John.Smith@CloudTel.com

This is your email address. Please provide your CloudTel Citrix user id. User should log into F5 using their CloudTel Citrix username not their email address“

Ok, my CloudTel Citrix username is JRM2018

A password reset link has been sent to the email associated with that F5 user account

Access request

Subject: NMX folder access
Body: Hi MSSD, can I get access to NMX folder in my Citrix profile. My manager’s email address for approval is XYZ.

Hi Jane, I am confirming with your manager now.

Hi Jane’s Manager, can you confirm access to NMX for Tim please.

Approved.

/ executes RPA script for new user access to NMX folder

Hi Jane, your access is now provisioned

Thanks.

Jane

Jane's Manager
Incident management

What is Error “Proc_m0_s13 [+408] CcnError” on CCN?

Which Version of CCN?

6.1.0

This is a condition where the MSC address is missing in the MO IDP

Can you suggest a solution?

Please follow these steps:
   a, b, c, d

Incident management

Has this Issue happened before on EXCR1245?

Yes. 4 times last year

What was remediation action taken to resolve?

This is what I see in Resolution Notes:
   a.
   b.
   c.
   d.
Проекты с использованием ИИ

• Ericsson and Airtel to further build real-world AI use cases for Network Operations

• TDC and Ericsson signed a five-year managed services contract, centered on the Artificial Intelligence (AI)- and automation-driven Ericsson Operations Engine,

• Telecom Egypt and Ericsson apply Artificial Intelligence to operate telco cloud

• Telefónica and Ericsson sign AI-powered Network Operations agreement

• Ericsson Artificial intelligence and Automation will pave the way to future of networks in Mobily