PROPHECY
PREDICTIONS WITHOUT PROBLEMS
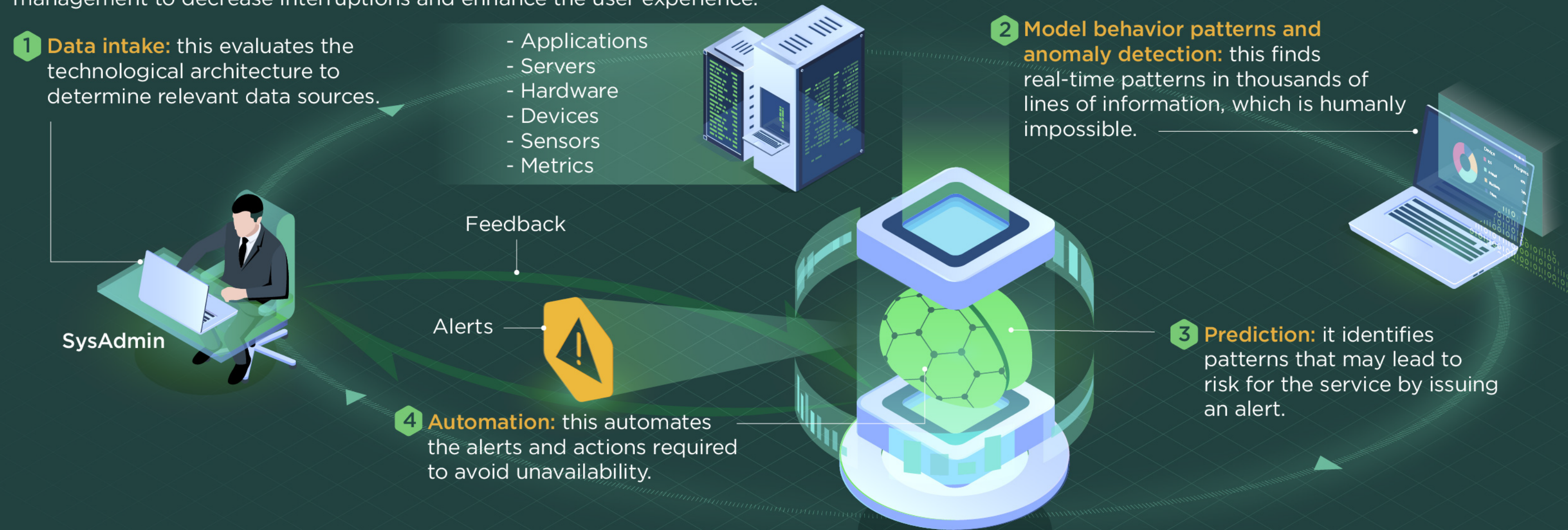by KIO Networks®

WHAT IS PROPHECY?

It is an Artificial Intelligence solution that predicts anomalies before they become problems, minimizing the unavailability of business mission-critical systems.

HOW DOES IT WORK?

Prophecy uses Machine Learning to detect anomalies and predict incidents. It alerts the technical team, operation team, supervisors and ITSM management to decrease interruptions and enhance the user experience.

1 Data intake: this evaluates the technological architecture to determine relevant data sources.

- Applications
- Servers
- Hardware
- Devices
- Sensors
- Metrics

2 Model behavior patterns and anomaly detection: this finds real-time patterns in thousands of lines of information, which is humanly impossible.

3 Prediction: it identifies patterns that may lead to risk for the service by issuing an alert.

4 Automation: this automates the alerts and actions required to avoid unavailability.

SysAdmin

Feedback

Alerts

Anticipation performance schedule

Prediction (minutes)

| 00 MINS | 10 | 20 | 30 | 40 | 50 | 60 MINS |

05:00 Scanning Ataque de seguridad

15:00 Serious errors Databases

40:00 Capacity Insufficient JAVA memory

60:00 Performance Degradation Performance Weblogic

PROPHECY ANALYZES DIFFERENT LAYERS

Enabled
- Weblogic
- Apache Server
- Oracle DB
- NewRelic Metrics
- Magento E-commerce
- Checkpoint FW
- Kaspersky Antivirus
- TrendMicro Antivirus
- Imperva Incapsula WAF
- SO Linux

Under development
- SAP
- VMWare Virtualizer
- IIS
- Fortinet FW
- SO Windows

Customized
- Flow development for legacy layers
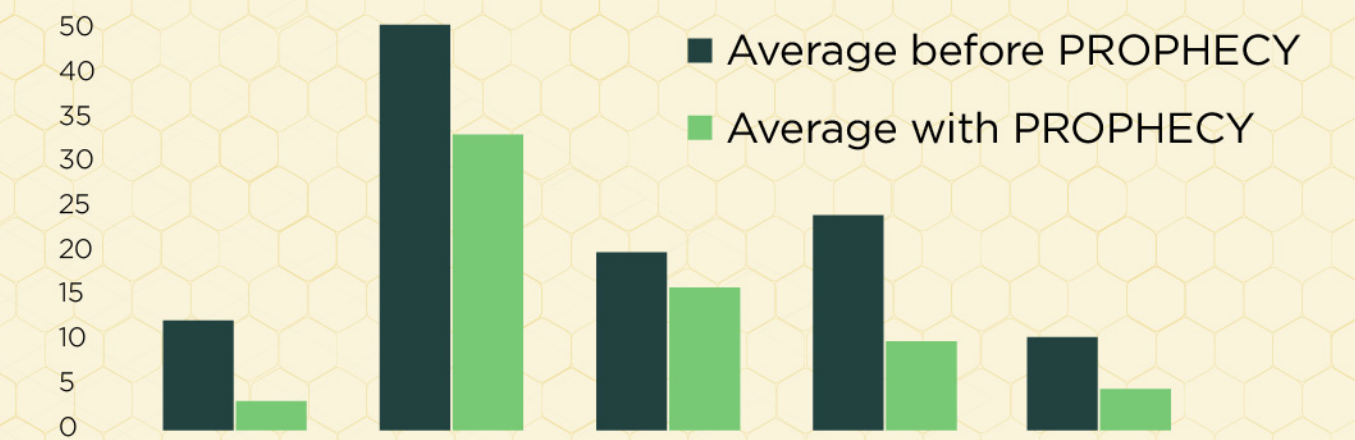
1 - 2 weeks   4 - 8 weeks
Implementation time

TANGIBLE RESULTS

Up to 50% decrease in average incidents in the environments where Prophecy is installed.

Average monthly incidents

■ Average before PROPHECY
■ Average with PROPHECY

| 50 | 40 | 35 | 30 | 25 | 20 | 15 | 10 | 5 | 0 |

A CRITICAL UNAVAILABILITY CAN:

Financial
- Delay transactional operations.
- Stop the flow of credit origination.

Retail
- Make transactions in branches/subsidiaries difficult.
- Delay delivery logistics.

Manufacture
- Stop the operation of a manufacturing plant.

General
- Affect the availability and reliability of business indicators.

BENEFITS

Detects abnormal behaviors.

Predicts possible problems.

Streamlines root cause identification.

EFFECTIVENESS

Application performance.

The capacity of physical resources.

Security attacks.

Unspecified Errors.

Types of problems

VAMOS AL FUTURO