
AWS
re:Invent
NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

PRT031-R

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Low-code application development with Mendix and AWS

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Mendix

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Agenda

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A Siemens Business

What is Mendix?

AWS and Mendix collaboration

Mendix platform

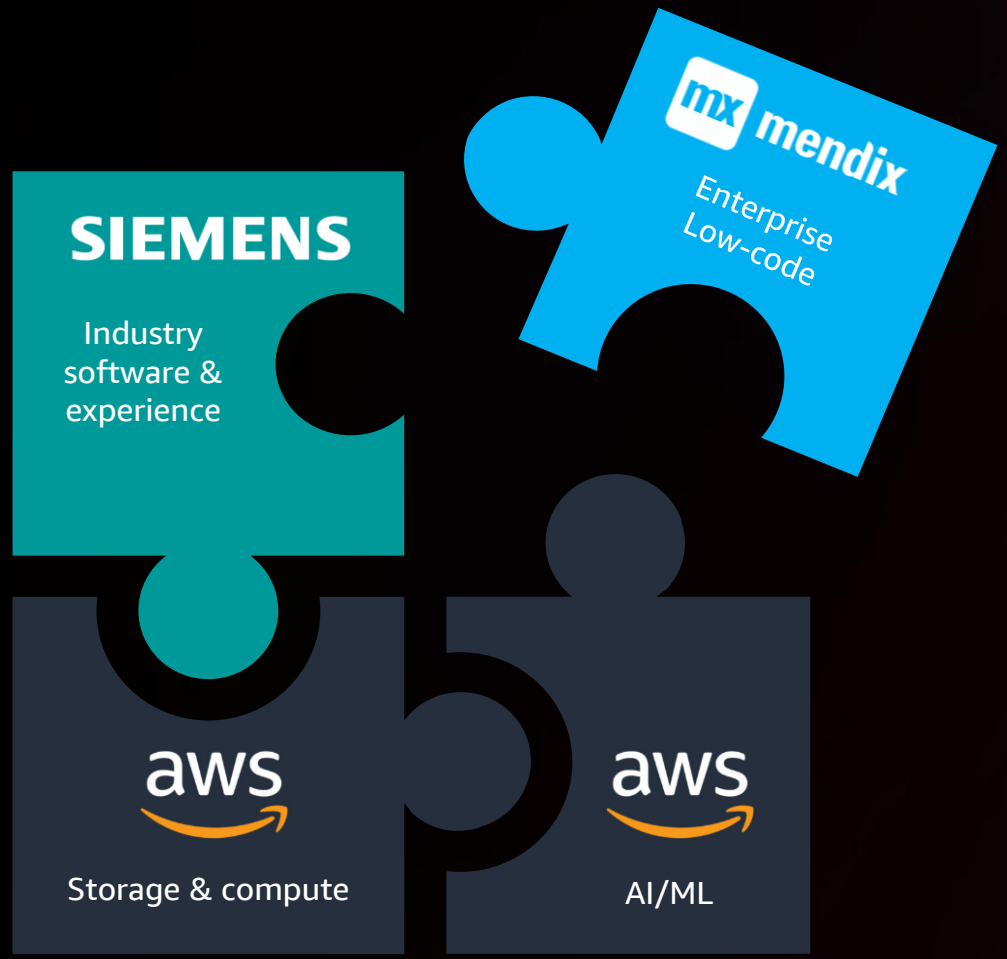
Cold chain logistics

Demo

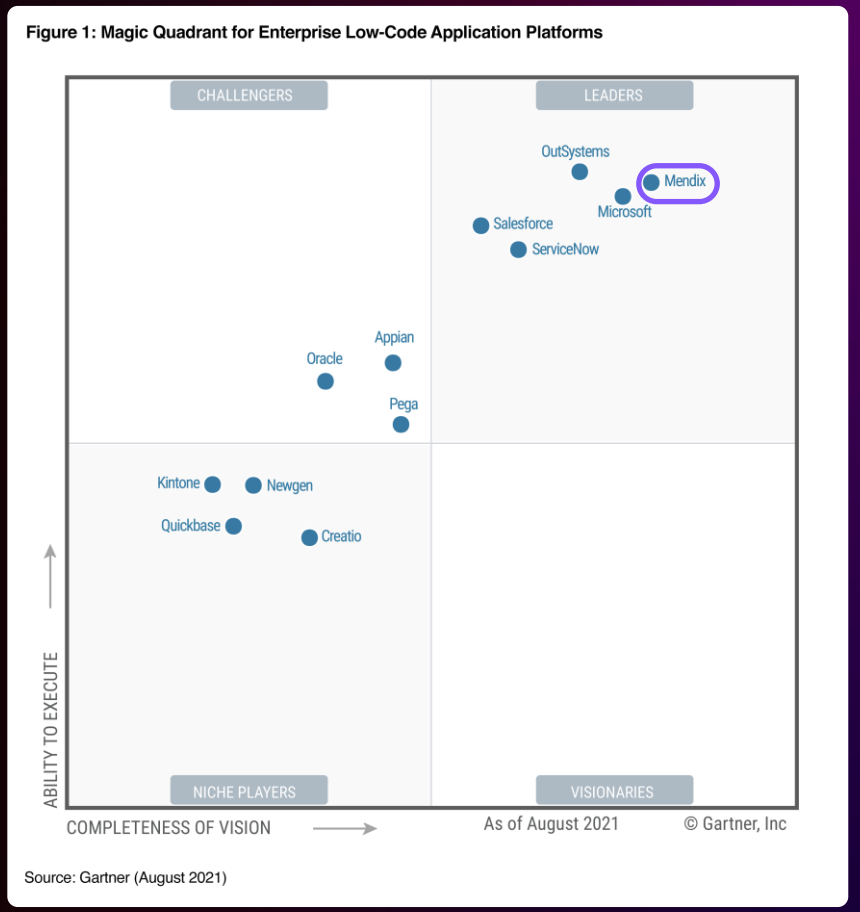
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About Mendix



Leader



Gartner® Enterprise Low-Code Application Platforms

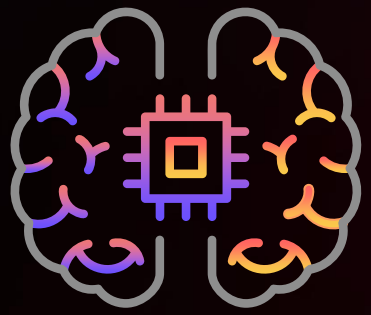
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AWS and Mendix

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Collaboration



Co-development



Commercials

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Evolution of code

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Low-level – Machine Level

BINARY

```
01100100
01100001
01101110
01101001
01100101
01101100
01100001
00100000
01100110
01101001
01100101
01101100
01100100
01100101
01100111
00110001
11101100
00011101
01010101
01110101
11111111
11010101
10101010
```

ASSEMBLY

```
SECTION .data
msg     db      'Hello
World!', 0Ah

SECTION .text
global  _start

_start:

    mov     edx, 13
    mov     ecx, msg
    mov     ebx, 1
    mov     eax, 4
    int     80h

    mov     ebx, 0      ;
return 0 status on exit -
'No Errors'
    mov     eax, 1      ;
invoke SYS_EXIT (kernel
opcode 1)
    int     80h
```

High-level - Further Abstraction
Object Oriented & Functional

C

```
#include <stdio.h>
#include <string.h>
void hello_world(char name[]){
   if (strcmp(name,"Jeff") == 0){
      printf("Hello %s\n", name);
   }else{
      printf("I don't know anyone named
%s\n",name);
   }
}

int main() {
  // printf() displays the string inside
quotation
  hello_world("Jeff");
  return 0;
}
```

Java

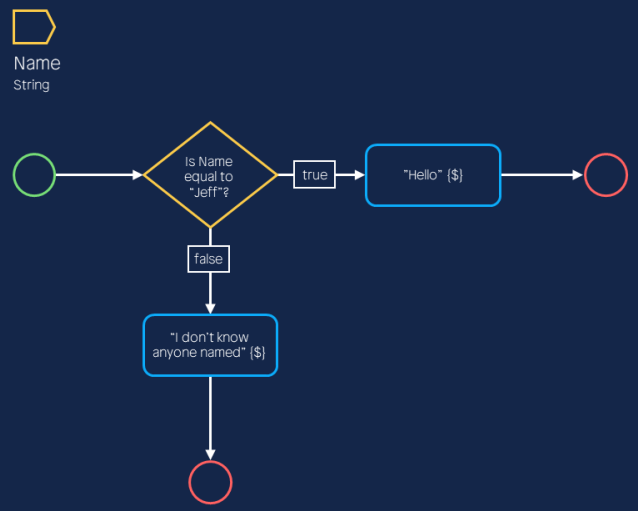
```
public class HelloWorld{

    public static void main(String []args){
      hello_world("Jeff");
    }

    public static void hello_world(String
name){
        if(name.equals("Jeff")){
            System.out.println("Hello "+name);
        }else{
            System.out.println("I don't know
anyone named "+name);
        }
    }
}
```

Visual & AI Programming

Mendix

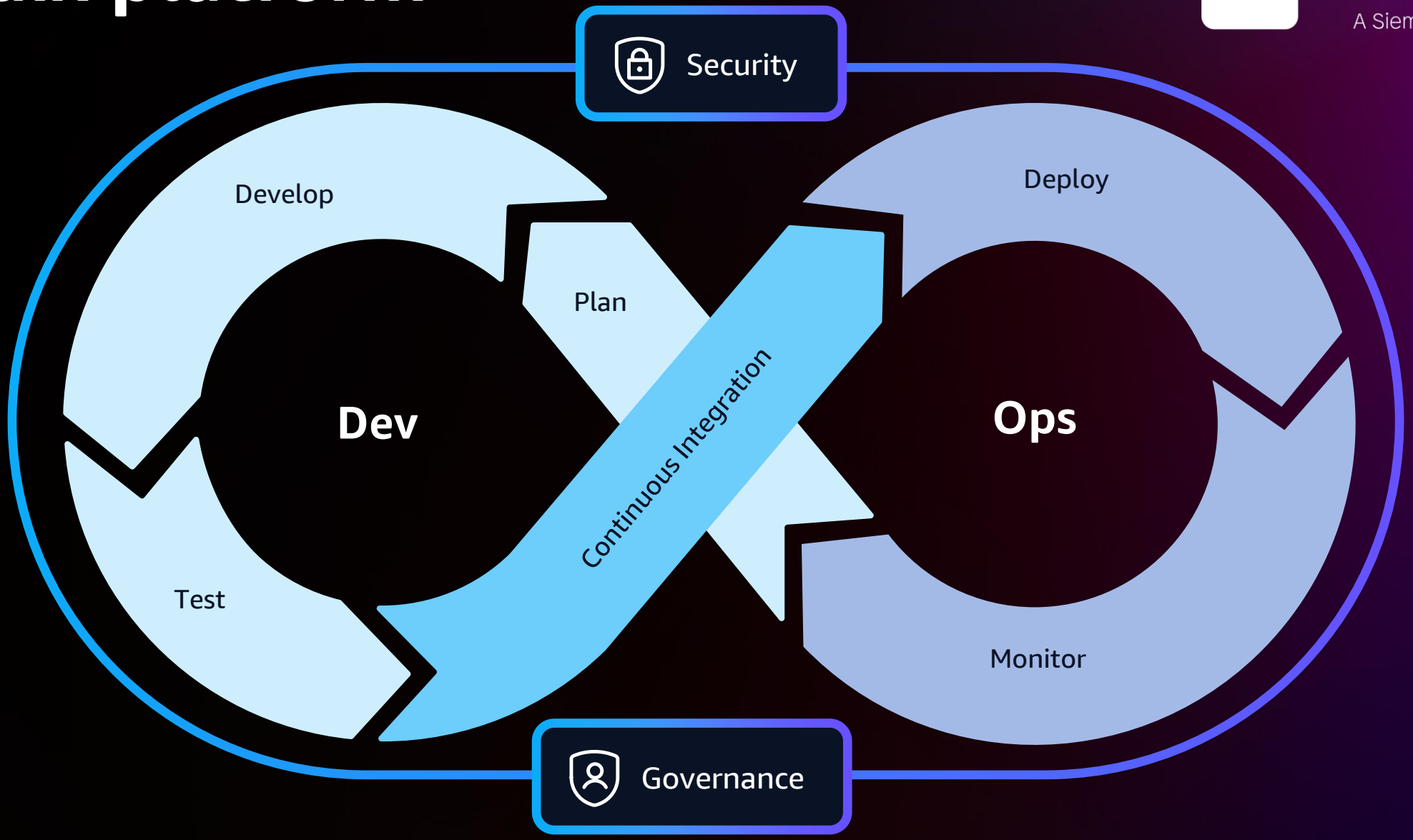


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Mendix platform

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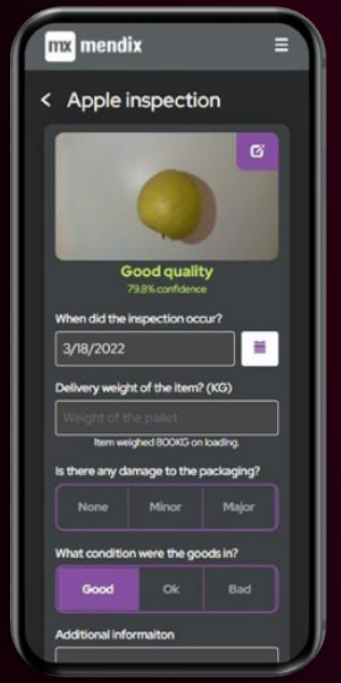
Cold chain logistics

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Cold Chain Logistics
with IoT



Quality Inspection
with Computer Vision



AWS IoT Core

Amazon Timestream

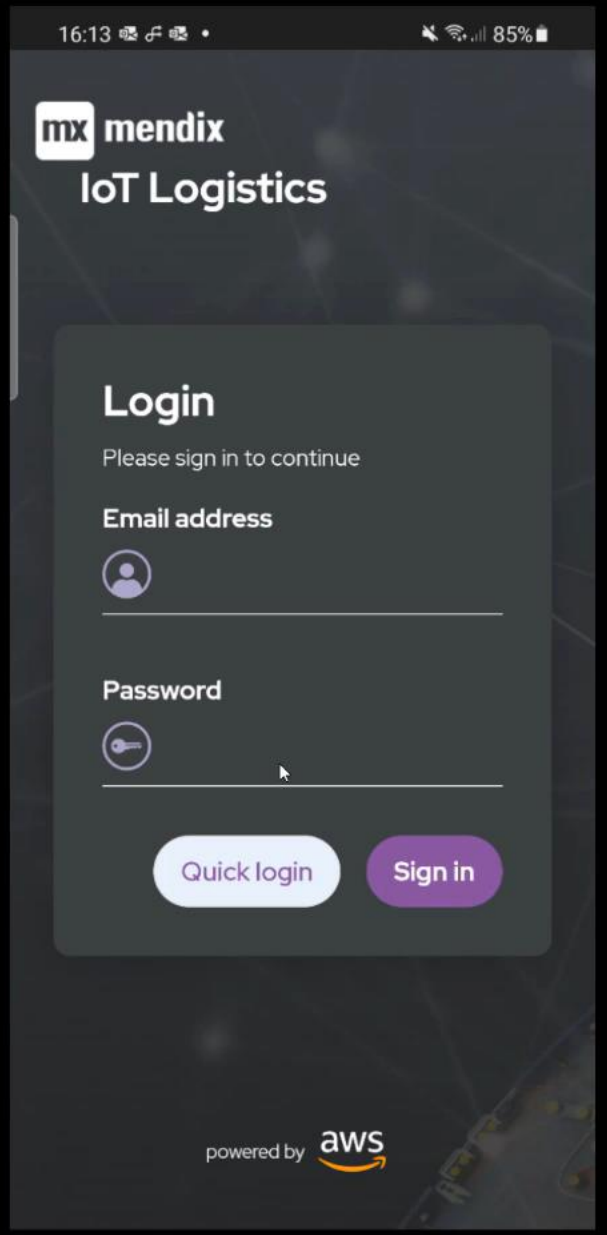
Amazon Simple Notification Service (Amazon SNS)

Amazon Rekognition

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Favorites
Rotate
Full Screen
Screen capture
More



16°C
Mostly cloudy
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Additional resources

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Mendix Academy
Learning paths for Mendix

Mendix AWS Workshop Github Repo
A workshop to use Rekognition with Mendix

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Thank you!

Joe Robertson
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