

Democratizing App Creation at International Criminal Court

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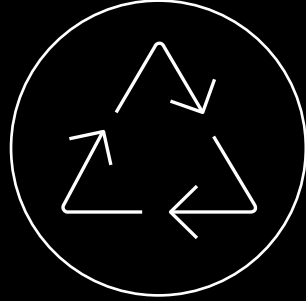
Background

- ▶ ICC as an Organization
- ▶ Role of ICC in the global fight to end impunity
- ▶ Challenges IT faces in the support for ICC Mandate

ICC as an Organization



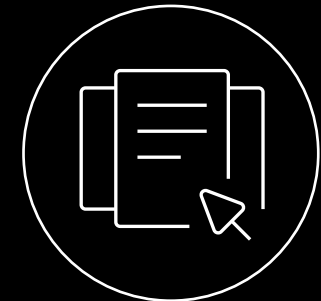
Internal structure of the court, with Prosecution, Judiciary having its own independence & registry to provide services to the one court.



The Prosecution conducts preliminary examinations, investigation and the one that can bring cases before the court.

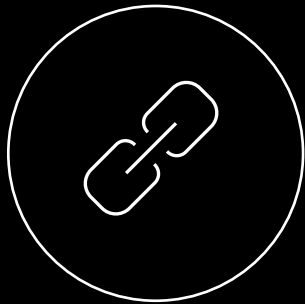


The Judicial division conducts the trial at the different levels.



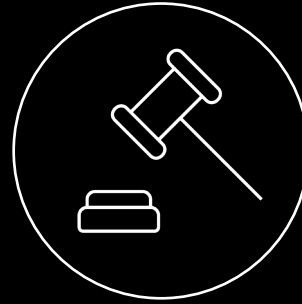
The Registry division provides services to the court, one of which is Information Technology.

Role of ICC in the Global Fight to End Impunity



End Impunity

The Court aims to achieve this goal not alone but as a court of last resort, seeking to complement, NOT to replace national Courts against crime of concern to the international community; Genocide, war crimes, crimes against humanity and the crime of aggression.



Through Justice

Justice is a key prerequisite for lasting peace, stability and equitable development in any post conflict society, with the delivery of fairness of justice.

The Court is governed by the international treaty, called the Rome Statute, which has made the Court first of its kind (permanent international criminal court).

Challenges IT Faces in the support of ICC Mandate

1

Solution Request: ICC-IT receives minimum of 2 solution requests each month expected to be developed.

- Traditional development methodology per application takes minimum 3 months for a small sized application.
- Some business units have few pockets of IT Enthusiast/Savvy resource.
- Home brew solution becoming ICC-IT legacy when author separates.

2

Business requesting to run its own IT.

- Solution realization not meeting business expectation.
- Conflicting priorities between business solution and requirements.
- Technology preference from the business and requesting IT implementation.

3

Creating a common development culture:

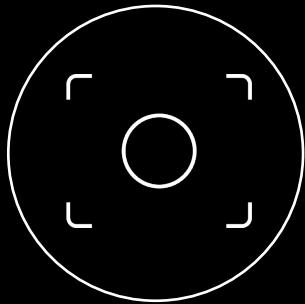
- Having business development resource to adopt one common development culture.
- Creating synergies in development and building a governance policy around code development.

Road to aPaaS and Mendix



- A low code development platform that can deliver rapid solution delivery and can still provide decent governance policy and development collaboration.
- Security is a big thing for ICC, so solution must be compliant to certain security requirements (On-premise platform possibility).
- Easy to integrate business IT to development solutions.
- Willingness of an initial start of 2 year investment for the platform.

Mendix adoption within ICC with DER



Focus on the 4 P's

Mendix recommended we adopt the solution with the use of their Digital Execution Roadmap (DER) program.

This program lay emphasis on the 4 P's in which we should address the implementation.

Portfolio, People, Process & Platform.



Digital Execution Roadmap

Typically all this are considered too much of a change, we cannot not just adopt this and expect we have discovered our silver bullet.

Therefore we see the reason in adopting this roadmap as a phase approach:

- **Start** identifying small and highly visible app.
- **Structure** - identify how we intend to democratize app creation with structure
- **Scale** - empowering the organization in its resource usage

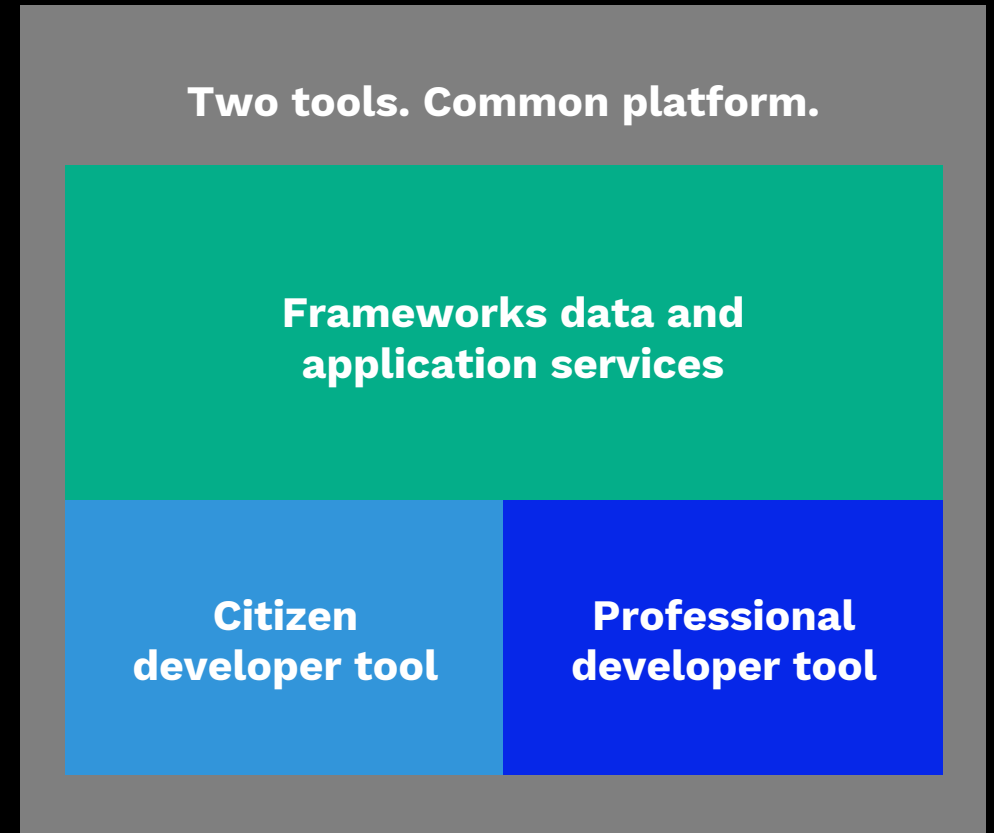
Mendix adoption within ICC Contd.

Democratize app creation

- Empower non-professional developers to build scalable/reusable applications
- Provide access to the data
- Automate governance and lifecycle management

Empower the organization through core IT

- Shared platform for professional and citizen developers
- Collaboration built-in to the process and technology
- Sharing & re-using building blocks is at the core
- Enterprise-wide governance



The First App

—
Judicial Activity Tracking

- Application has high visibility.
- Application is small.
- User base is high profile.
- New development process introduced.
- Solution development was achieved within a month.

Current Achievements w/ Mendix

1

Structure

- ICC adopted the governance structure around the development environment.
- This allows ICC to extend potential low code application developer to the business
- Due to the need of immediate knowledge gap closure, aside from former training of resource, ICC adopted to involve Mendix partners in the development of the important backlog solution requirement with internal resource shadowing the consultant.
- Application delivery with same look and feel irrespective of where its developed (IT or business)

Current Achievements w/ Mendix cont'd

2

Web/Mobile application

- Application that combines multiple platform together e.g Blackberry® device manager
- Application that can work both online and offline meaning utilizing local workspace.
- Application that synchronizes with another backend Mendix application

3

Web application w/ legacy integration

- Mendix web application that with local legacy application like SAP, Call Manager.
- Web application that adopts 3rd party vendor API for internal integration.

4

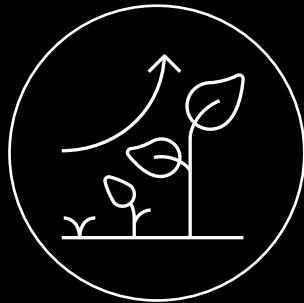
Web application w/ workflows & Cloud enabled solution

- Even though Mendix doesn't have its own workflow engine we managed to implement application with workflow capabilities
- Application developed and deployed to the cloud.
- We managed to adopt same UX/UI all across our application delivery.

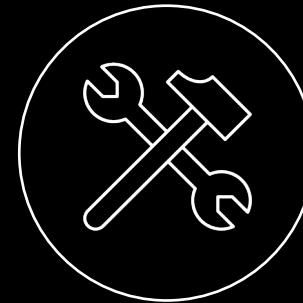
Roadmap with the use of Mendix



ICC decided to move ahead with Mendix due to its solution turnaround time after its initial 2 year investment.



ICC has increased the amount of application developed with the use of Mendix.



ICC believes Mendix is not a silver bullet for all application deliveries, like any other platform it has its own short falls, therefore ICC treats it as another tool in our toolkit.

Questions?