OpenForge

Code Repository for e-Governance Applications

Problems in e-Governance Project Delivery

Duplication

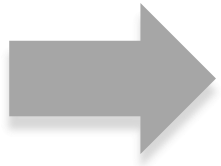
Vendor/MSP Dependency and Lock-in

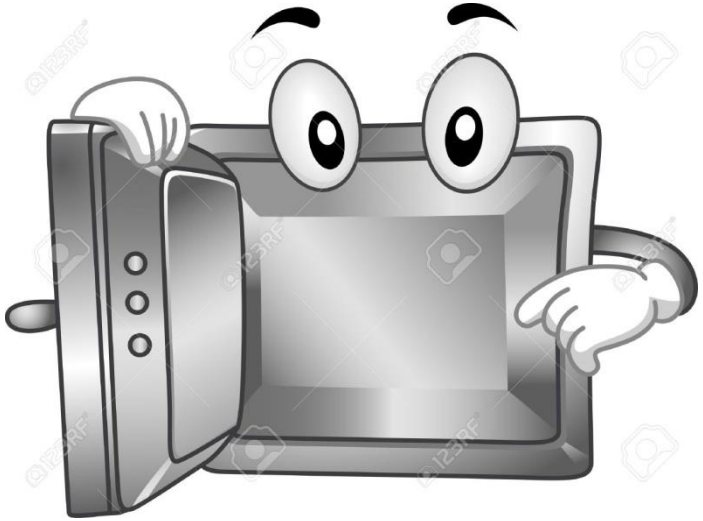
Standalone & Silos

Long Development Cycles

Higher Cost

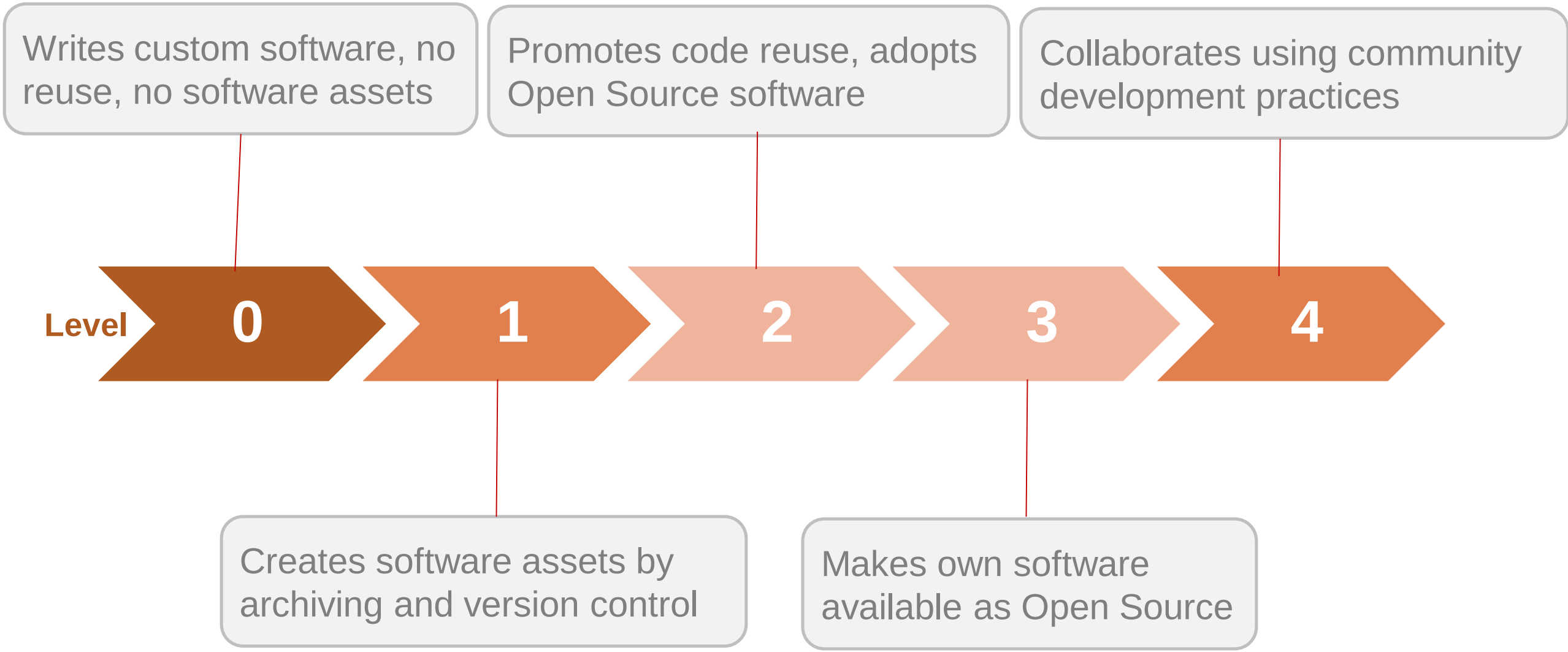
Lack of Standardization



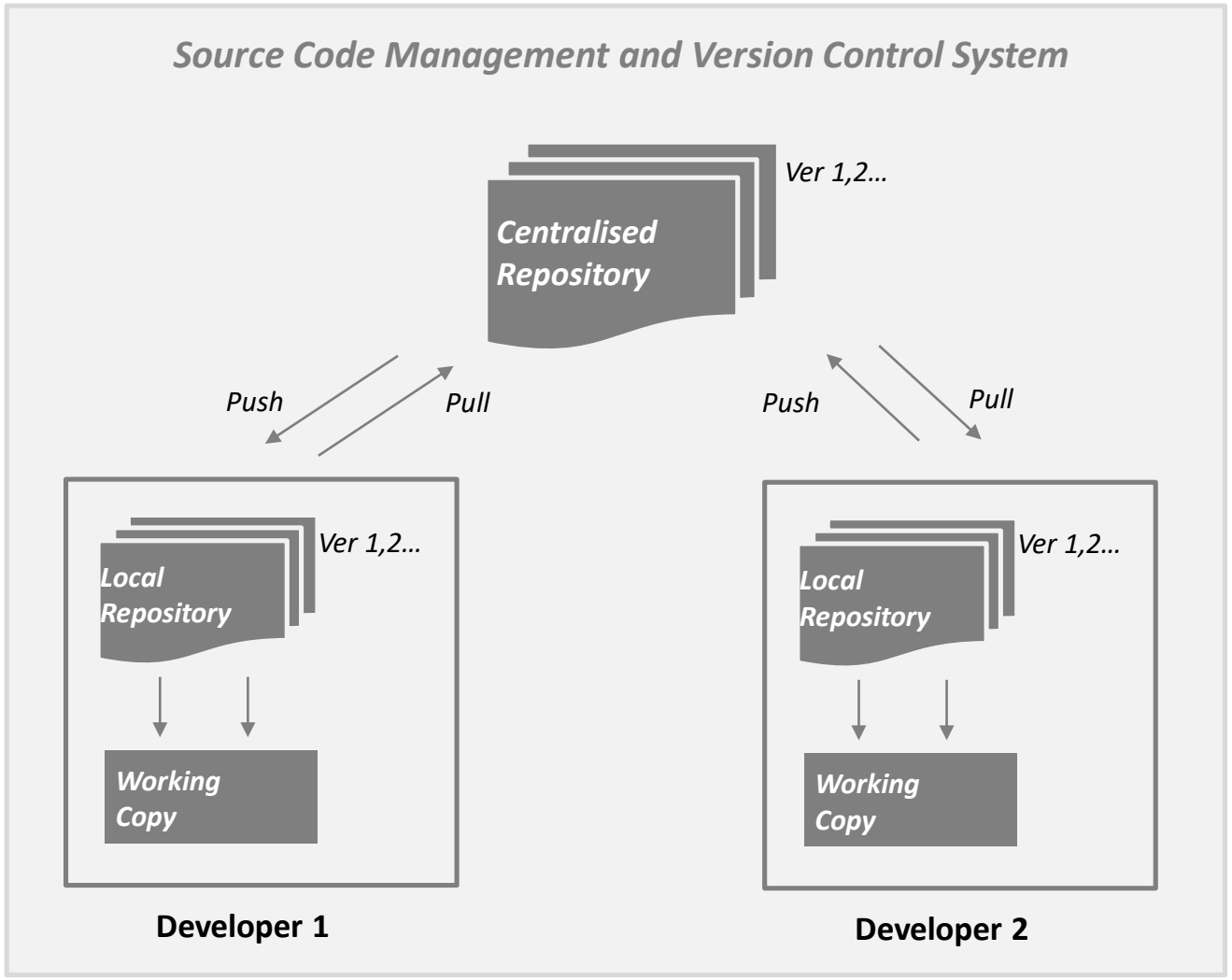


- No Software Assets
- Reinvestment in the same assets

Software Development Maturity Model



Central Source Code Management is the Key!



- Source Code Management(SCM)
- Version Control
- Team Collaboration
- Archival of Source Code
- Discovery and Reuse
- External Community Collaboration

Industry Benchmarks

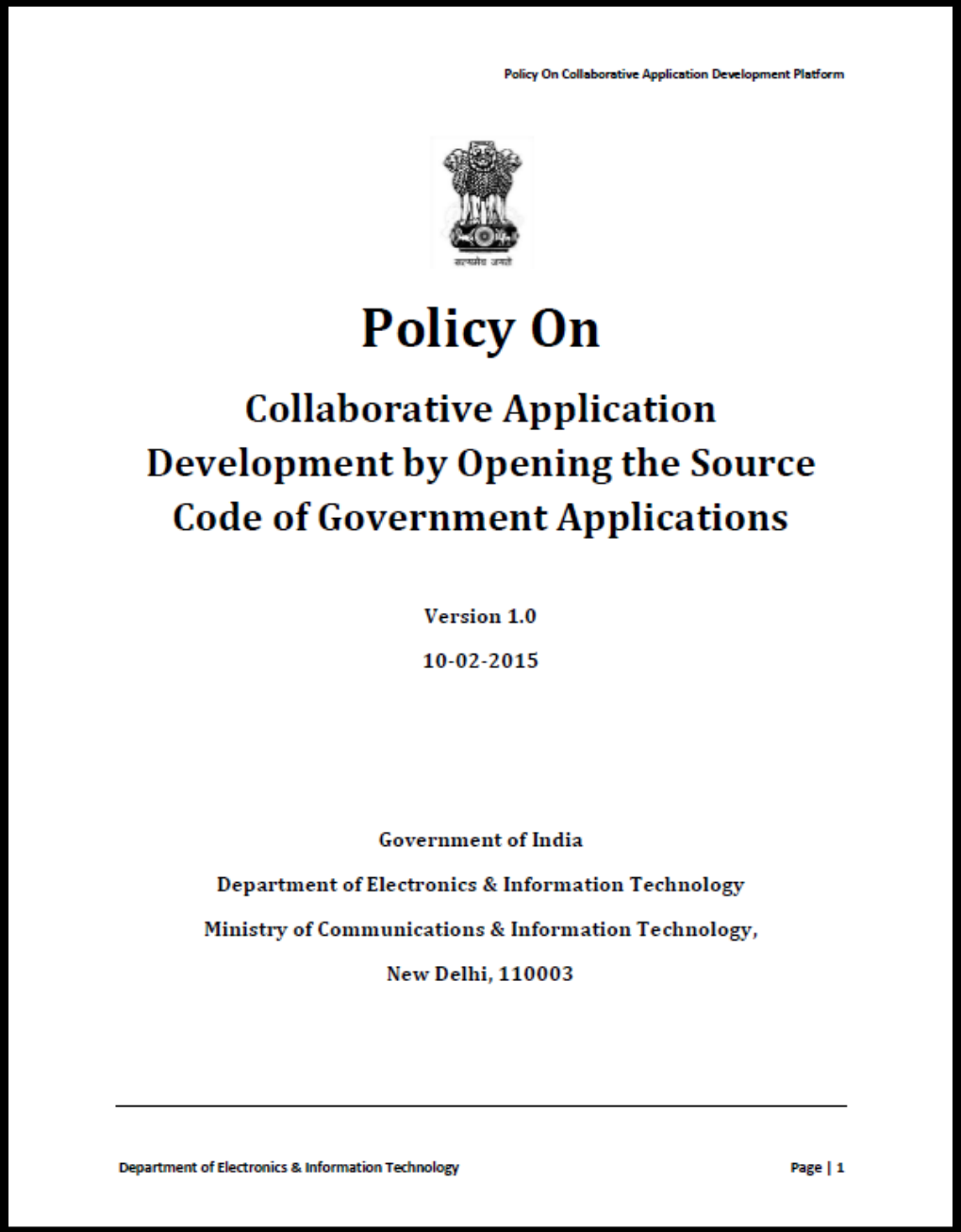
- Mature software companies rely on SCM and Version control systems
  - Core development infrastructure, centrally maintained
- Popular SCM Tools – Git, SVN, CVS, ClearCase, VSS
- Hosted Services – **GitHub, SourceForge, GitLab, Bitbucket**

Problems in Adopting Industry Standard Practices in e-Governance

- Most of the version control repositories are paid
- The provision for private repository may not be there
- Its time consuming and costly to set up organization wide code repository
- The source code may be hosted out of India*

*Not recommended as per the MeitY guidelines

- Promote **Reuse**
- **Rapid Replication** of successful e-Governance solutions
- Ensure **Collaboration**
- Reduce the **Total Cost of Ownership**
- Foster ecosystem of **Innovation**
- Ensure **Strategic Control**



Policy On

Collaborative Application Development by Opening the Source Code of Government Applications

Version 1.0

10-02-2015

Government of India

Department of Electronics & Information Technology

Ministry of Communications & Information Technology,

New Delhi, 110003

Estonia publishes its e-voting source code on GitHub

System architect says he welcomes "development and security of the e-elections."

by Cyrus Farivar - Jul 13, 2013 2:00 pm UTC

All Estonians can vote online using their digital ID card

Government opens up: 10k active government users on GitHub

August 14, 2014 benbalter General

In the summer of 2009, The New York Senate was the first government organization to post code to GitHub, and that fall, Washington DC quickly followed suit. By 2011, cities like Miami, Chicago, and New York; Australian, Canadian, and British government initiatives like GOV.UK; and US Federal agencies like the Federal Communications Commission, General Services Administration, NASA, and Consumer Financial Protection Bureau were all coding in the open as they began to reimagine government for the 21st century.

Fast forward to just last year: The White House Open Data Policy is published as a collaborative, living document, San Francisco laws are now forkable, and government agencies are accepting pull requests from every day developers.

Bulgarian Government Embraces Open Source

By Jack M. Germain
Jul 7, 2016 5:03 PM PT

Image: Adobe Stock

Bulgaria's Parliament recently passed legislation mandating open source software to bolster security, as well as to increase competition with commercially ...re.

...ic Governance Act require that all software written ...and Open Source Software (FOSS)-compliant. The ...k effect this week.

...ozhanov, advisor to one of Bulgaria's four ...trated the new law.

...te software for the government be developed ...definitions, and be provided free for use ...s government-commissioned software only. ...ll intact.

...nue to buy proprietary software.

...o increase transparency and reduce ...are developer at NeverFriday.com.

... to keep their budgets and poor quality a ...ally higher-quality code," he told

Govstrap.io enables rapid deployment of UK government websites

Posted 02 Aug 2016 by Lauren Westley

4 readers like this

Image by : opensource.com

Tweet Like 19 reddit this! Share 11 G+1 12

United Kingdom government websites can now be deployed within minutes by re-using the familiar theme produced by Government Digital Services (GDS) in combination with the Bootstrap framework.

The open source software specialist OpusVL has made it possible to take the official Gov.UK website theme, which is under the MIT license, and reproduce it quickly and easily using Bootstrap, which originated from Twitter. Bootstrap is an HTML, CSS, and JavaScript framework for creating front end websites and applications. With an increase in the variety of devices used to view websites, Bootstrap is a standard tool kit for building responsive design, and enabling websites to be mobile- and tablet-friendly.

Govstrap.io quickstart guide

1. Get Bootstrap

If you're already using Bootstrap to build your site then you're all set to style it with Govstrap.

If you don't have Bootstrap yet, download it from getbootstrap.com. Govstrap is built for Bootstrap version 3.

2. Add Govstrap

Download the Govstrap CSS file from GitHub.

Load it after Bootstrap's CSS, like this:

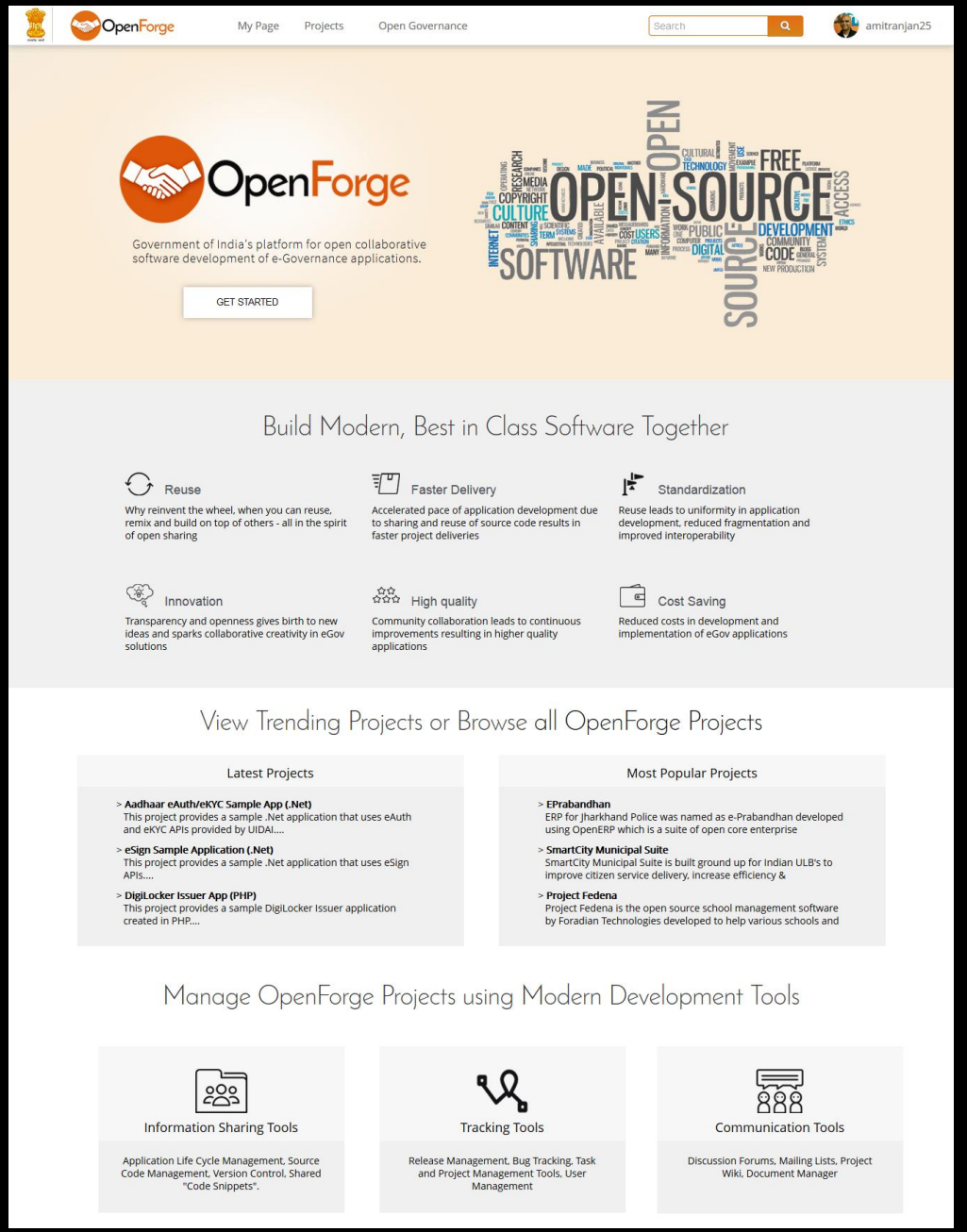
EXAMPLE

3. You're done!

You can now use all of the Govstrap classes and elements in your site.

https://openforge.gov.in

Inaugurated on 7th March 2017 by Hon’ble Minister of Electronics and IT



GeM Government e Marketplace

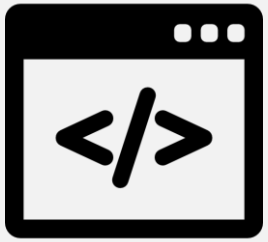
NCOG National Centre of Geo Informatics

6400+

Users

DigiLocker Your documents anytime, anywhere

UMANG



1500+

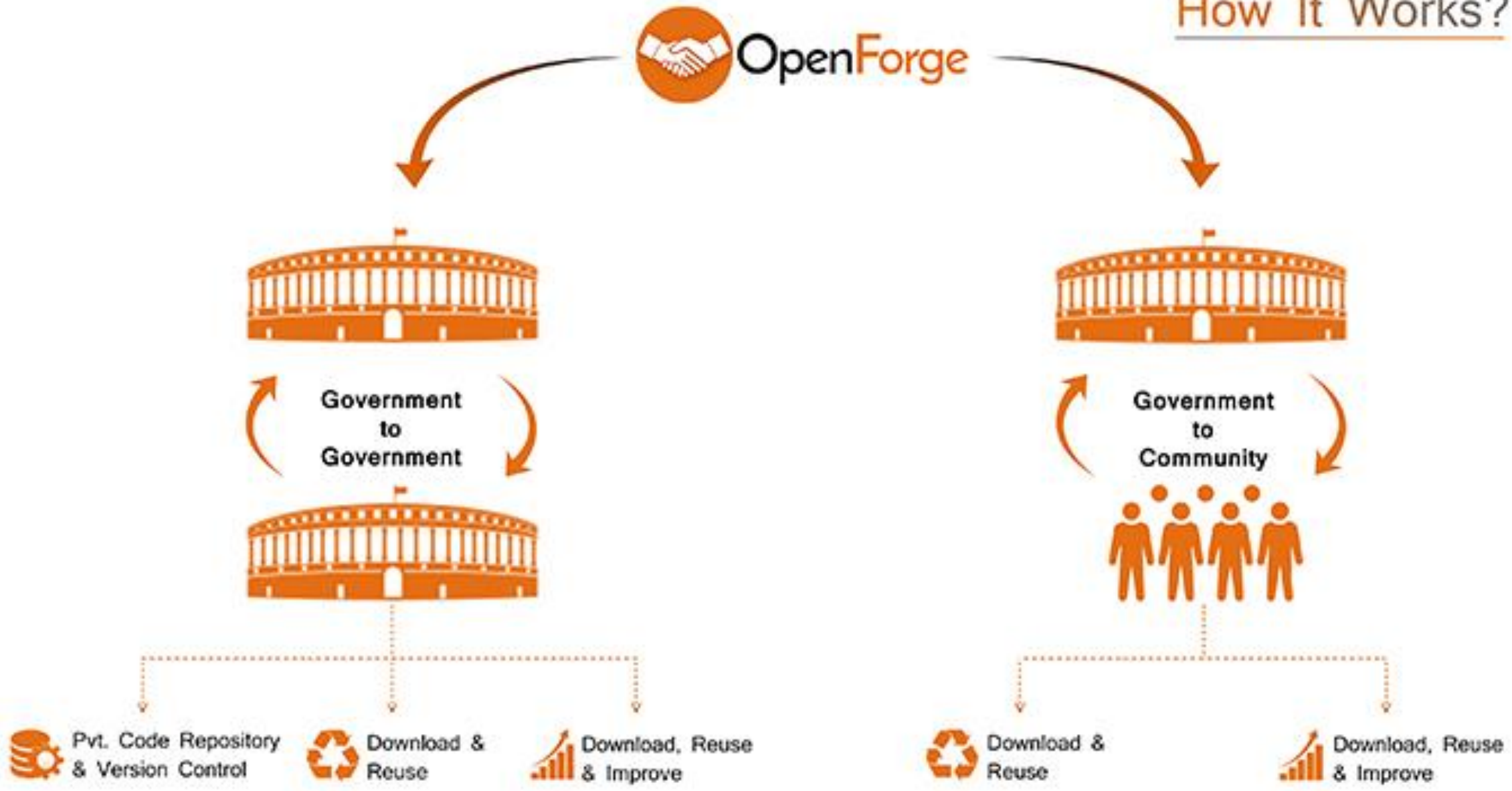
Projects

UPI UNIFIED PAYMENTS INTERFACE

TRAI Telecom Regulatory Authority of India

Who can use OpenForge?

How It Works?


OpenForge
Government to Government
Government to Community
Pvt. Code Repository & Version Control
Download & Reuse
Download, Reuse & Improve
Download & Reuse
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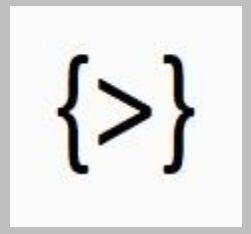
OpenForge Features



Development

- Source Code Management
- Version Control
- Git, SVN
- Continuous Integration

Tracking

- Bugs
- Tasks
- Requirements

Communication

- Mailing Lists
- Discussion Forms
- Project Wiki

Next Steps

- **Nationwide Awareness and Adoption**
- **Community Involvement** - Open the source code of Government Applications and invite community contribution
- Involve Academia, Community and Open Source Enthusiasts
- Create **Open Source e-Governance Products** from the platform

Thank You