

Ionic Pro Introduction

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Intro

- Ionic Pro is new hosting service from Ionic
- Replaces Ionic Cloud Services
- Goals
 - Improve mobile development
 - Faster deployment for teams
 - Easier testing availability

Ionic Pro Benefits

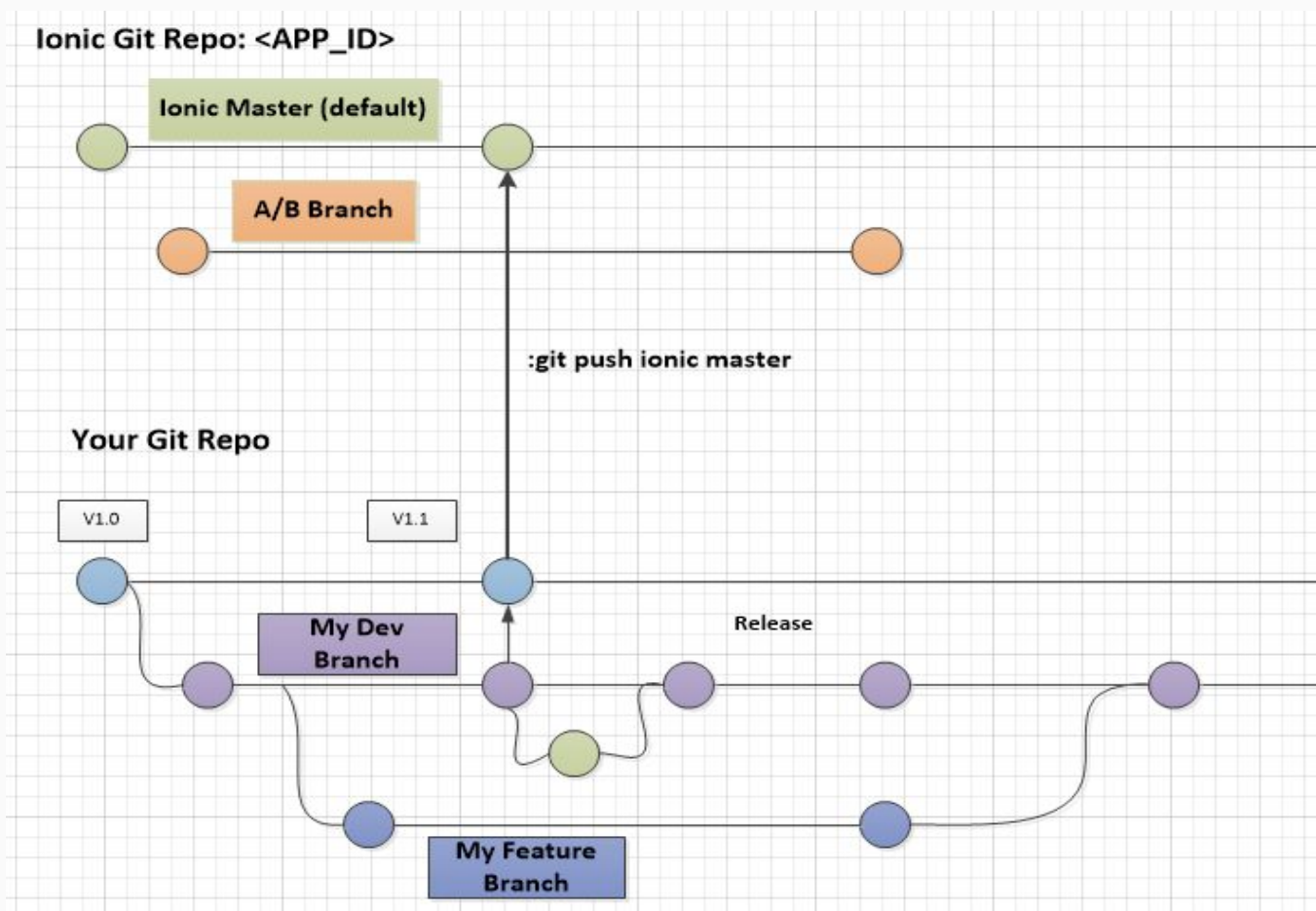
- Follow industry standard workflow
- Automate builds
 - Native builds possible in the Cloud
 - No longer need MacOS
- Improve dev and beta testing
- Reduce need to deploy to App Store

Development Workflow

Git Workflow

- Ionic Pro integrates with Git version control
- Manages builds and releases
- Integrate with GitHub or your own Git repository
- Doesn't replace your own Git repository

Ionic Git Workflow



Builds

- Builds triggered by “git push”
- Automatic build when pushed to ionic master
- Other ionic branches can be created
- Build can be customized

- :npm run build

- "scripts": {

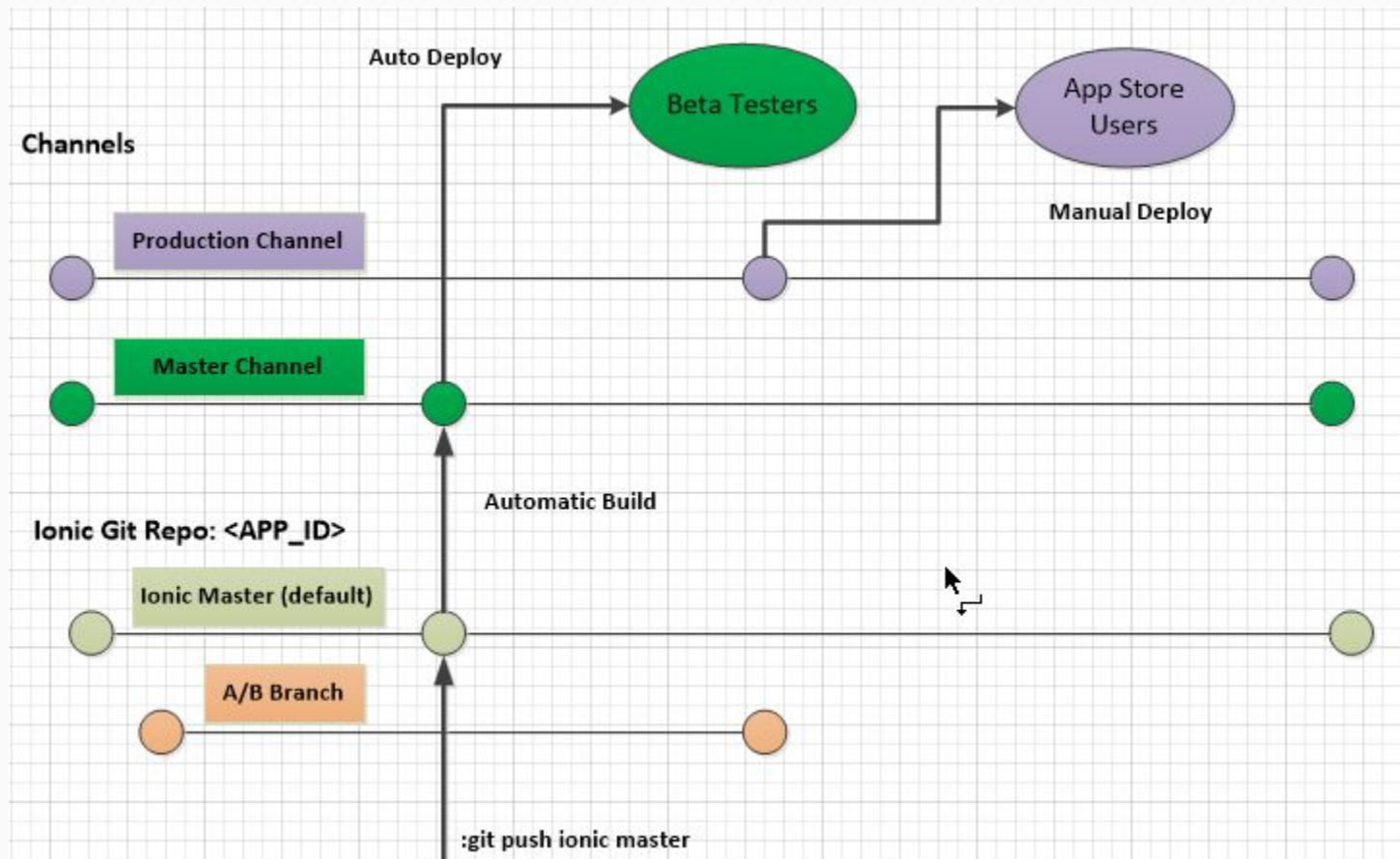
```
  "clean": "ionic-app-scripts clean",  
  "build": "ionic-app-scripts build",  
  "lint": "ionic-app-scripts lint",  
  "ionic:build": "ionic-app-scripts build",  
  "ionic:serve": "ionic-app-scripts serve"
```

```
},
```

Channels

- Channel points to a specific “build” of your app
- Channel is shared with testers and users
- You can change where channel points to at any time
- Share app with Ionic View uses a specific Channel
- Deployment is manual process through Ionic Pro Dashboard
- Master Channel automatically deploys from Master branch

Ionic Builds and Channels



Testing Solutions

Ionic DevApp: Local Development

- Easily push apps directory to iOS or Android device
- Requires devices to be on same network
 - Dev workstation use same Wifi
 - Mobile devices use same WiFi
- Native plugins built in
- Capture app console logs on workstation
- Problem: Doesn't support all plugins
 - E.g. Firebase Google/FB authentication

Ionic View: Beta Testing

- Easy way to distribute versions to beta testers, clients, etc
- Assigned to Master Channel
- Create other Channels for different users
- Users can submit feedback easily
 - Easier than Apple's Test Flight
- Problem: Limited number of Native Plugins

Deployment Solutions

Ionic Deploy

- Easier way to distribute updates of applications
- Doesn't require app store updates
 - HTML, JS, CSS Changes only
- App store update required if native plugin changes
- Apply Update Options
 - Background, auto, or none - you control

Ionic Packaging

- Easier way to build native app binaries for iOS and Android
- Builds are done in the cloud
 - No longer required to have MacOS
- Generate Credentials
- Create Security Profiles
- Upload iOS and Android certificate profiles to Ionic Pro

Monitoring Solutions

Ionic Pro: Monitoring

- Track runtime errors in your Ionic apps
- Map back errors to original non-transpiled source code
- Quickly respond to customer concerns
- Add Source Maps to Ionic Pro
- Use correct versions in builds to insure accuracy
- Useful for A/B testing in your application
 - Manually capture usage through Monitoring API

Ionic Pro Costs

- Developer Account: \$29/month
 - 10k live deploys
- Team: \$49/month
 - Organization Account
 - 25k live deploys
- Business: \$169/month
 - Multiple Teams
 - 50k live deploys

Ionic Pro Summary

- Build Ionic applications faster
- Deploy mobile applications easily
- Distribute application to testers
- Monitor your mobile applications

Future Topics

- Automated Testing
- Deploying native apps to iOS and Android stores
- Monitoring Example
- PWA Hosting Example



References

- Ionic Pro Documentation
 - <https://ionicframework.com/docs/pro/>
- Ionic View Plugin Support
 - <https://ionicframework.com/docs/pro/view.html>
- Ionic Blog
 - <https://blog.ionicframework.com/>
- Git Workflow Best Practices
 - <https://www.atlassian.com/git/tutorials/comparing-workflows>

Thanks!

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