Developments

- **Basic Setup**
  - Documentation Guide
  - Development Process
  - MXNet Developer setup on AWS EC2
  - MXNet Developer Setup on Mac
  - Visual Studio 2017 - Install Issues and Guide
  - Detecting Memory Leaks and Buffer Overflows in MXNet
  - Labeling Issues and PRs - how to use the @mxnet-label-bot
  - CLion setup for MXNet C++ development on Mac and Linux

- **MXNet Internals and Developer Topics**
  - Architecture and Design
    - MXNet Backend Operator Registration
    - MXNet Runtime
  - Backend
    - A Guide to Implementing Sparse Operators in MXNet Backend
    - How to Implement a NumPy-Compatible Operator in MXNet
    - MXNet Backend Architecture Guide
    - MXNet System Architecture
    - TVM Binary Op with Broadcast
  - Language Bindings and Extensions
    - C++
      - CLion setup for MXNet C++ development on Mac and Linux
    - Scala
      - MXNet Scala Inference API
      - MXNet Scala API Usability Improvement
      - MXNet-Scala Release Process
      - Scala Project Status
      - Scala Type-safe API Design Doc
      - Automated MXNet Scala release design
      - JVM Memory Management
      - MXNet Scala Benchmark Design
      - Scala maven build improvement
    - Clojure
      - Clojure Package Contribution Needs
      - Clojure Release Process
      - Testing Clojure Release Jars
      - Testing Scala Release Jars from Clojure Package
    - R Package
      - MXNet-R Backlog
      - MXNet-R release process
    - Keras
      - Keras-MXNet RNN support with control flow ops
      - Multi-hot Sparse Categorical Cross-entropy
      - MXNet - Keras Integration Design
    - ONNX
      - ONNX-MXNet API Design
      - ONNX Operator Coverage
    - Julia
      - Julia Release Process

- **Continuous Integration**
  - Alarms
    - Auto scaling the fleets
    - Setup
  - CI Runtime Improvements
  - Fixing Flaky Tests
  - Maintenance Handbook
  - Managing and accessing credentials
  - MXNet CI Bot
  - Proposal: Architecture
  - Reproducing test results
  - Restricted jobs and nodes
  - Security design
  - Tracking Unit-tests
  - Troubleshooting

- **Website**
  - Archived website information
    - How to Build the Website (pre v1.6)
    - Production Website Build Pipeline (pre v1.6)
    - Redirects on the Website (pre v1.6)
    - Website Build Workflow Overview (pre v1.6)
    - Website Updating Guide (pre v1.6)
  - Building the New Website (v1.6 +)
  - New Website Lighthouse Reports
  - Instructions for Adding Future Releases
  - Global Search Feature
• Release Process
  ○ 1.6.0 Release Plan and Status
  ○ Project Proposals for next MXNet Release
  ○ Release Notes Template
  ○ Release Retrospectives
    ▪ MXNet Source Licenses
    ▪ Release Retrospective Apache MXNet v1.2.0
    ▪ Release Retrospective for Apache MXNet (incubating) 1.0.0
    ▪ Release Retrospective for Apache MXNet (incubating) 1.1.0
    ▪ Release Retrospectives for Apache MXNet 1.3.0
  ○ Release Archive
    ▪ 1.4.0 Release Notes
      ▪ 1.4.0 Release Plan and Status
      ▪ 1.3.1 Release Notes
      ▪ 1.3.0 Release Notes
        ▪ 1.3.0 Release Status
      ▪ 1.2.0 Release Notes
      ▪ 1.1.0 Release Notes
      ▪ 1.0 Release Notes
      ▪ 0.12.1 Release Notes
      ▪ 0.12.0 Release Notes
        ▪ Draft of blog post for MXNet v0.12 release
      ▪ 0.11.0 Release Notes
      ▪ Release Versioning and Branching
        ▪ 1.4.1 Release Notes
          ▪ Apache MXNet (incubating) 1.4.1 Release Plan and Status
        ▪ 1.5.0 Release Notes
          ▪ 1.5.0 Release Plan and Status
        ▪ 1.5.1 Release Plan and Status
          ▪ 1.5.1 Release Notes
        ▪ 1.6.0 Release Notes
        ▪ 1.7.0 Release Notes
        ▪ 1.8.0 Release Notes
        ▪ 1.9.0 Release Notes
  ○ Outstanding problems with publishing
  ○ 1.7.0 Release Plan and Status
  ○ 1.8.0 Release Plan and Status
  ○ 1.9.0 Release Plan and Status
• Roadmaps
  ○ NumPy Operator Coverage Status
  ○ MXNet 2.0 Roadmap
  ○ Archive
    ▪ Roadmap