

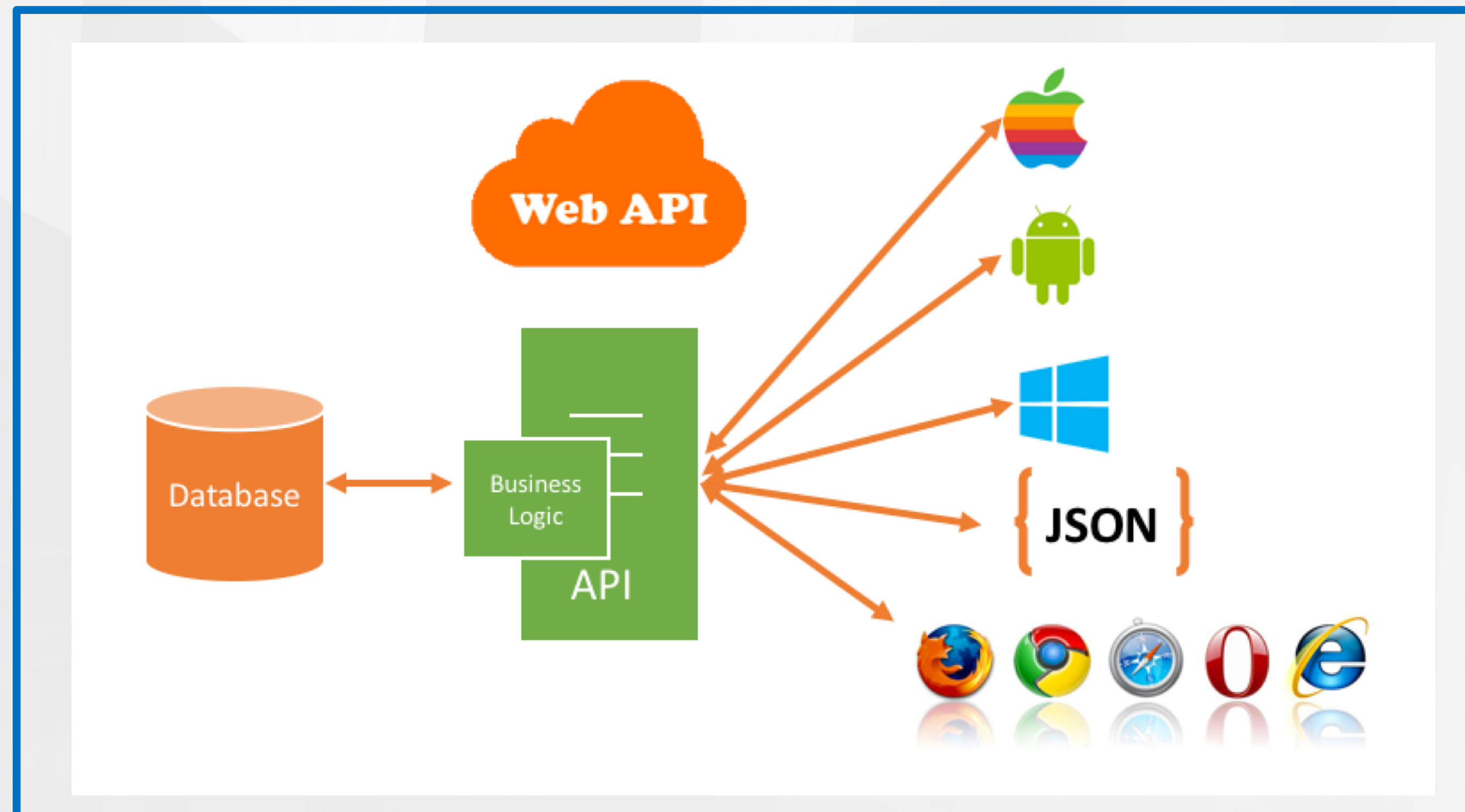
DQRs in a Flash! : Using Modernized DQR Submission Tool

Kavya Guntupally¹, Kenneth Kehoe², Ranjeet Devarakonda¹, Jitendra Kumar¹, Adam Theisen², and Giri Prakash¹
 1 – ARM Data Center, Oak Ridge National Laboratory, Oak Ridge, TN; 2 – ARM Data Quality Office, CIMMS, University of Oklahoma, Norman, OK



The ARM Data Center and Data Quality Office jointly designed and developed a Data Quality Report (DQR) submission tool. The new web-based tool will allow the ARM mentors and other infrastructure staff to submit a report describing the data quality or other important information about data streams with an improved interface.

New DQR System Workflow



Improvements to Existing Tool

Phase I:

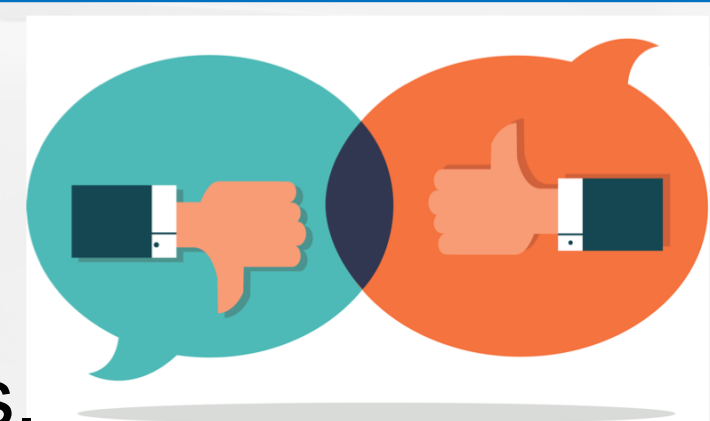
- ✓ Service oriented architecture
- ✓ Ability to have system generated DQRs
- ✓ Intuitive way to delete time ranges
- ✓ Automated time range upload via text file
- ✓ Ability to request data reprocessing
- ✓ Modern techniques to simplify several selection processes
- ✓ Preview block to avoid scrolling
- ✓ Updated email notifications

Phase II:

- Globally accessible templates
- Ability to review the reprocessed data before archival
- Ability to modify and delete saved templates
- Ability to customize the fields while saving as a template

Feedback is Welcome!

Whether it's improving existing features or developing new features, we are always looking for ways to enhance your experience. Please send us your feedback, comments, and suggestions. We look forward to hearing from you!



Contact: Kavya Guntupally: guntupallyk@ornl.gov

DQR Submission Tool (<https://adc.arm.gov/DQRSubmissionTool>)

Preview block which allow mentors to glance through the fields entered in the form.

Pop up window to select list of variables associated with data streams.

Pop up window to customize your fields while saving as a global template or a regular template.

Pop up window to list all the saved and global templates.

Improved DQPR search interface

The new reprocessing request allows the submitter to input and apply a simple mathematical equation from a specific start and end date to correct any data quality inconsistencies automatically. This new option will automatically notify the submitter when reprocessing is complete and ready for data inspection.