Introduction

- HTTP PATCH (RFC 5789)
- No standard JSON-based representations
- Text-based diffs require char-level equivalence
- JSON Patch operates on JSON logical model
- Strong drive to maintain a simple specification
- Current draft: draft-pbryan-json-patch-02
- At least 3 actively maintained implementations:
  - Python, Java, JavaScript
Document structure

- JSON array of modification operations
- Every operation points to specific JSON value
  - draft-pbryan-zyp-json-pointer
- Three operation types: add, remove, replace
- Replace is equivalent to remove and add
- Each operation applied in sequence
- Logically equivalent to textual diff (+ and - ops)
Simple example

[
  { "remove": "/a/b/c" },
  { "add": "\a/b/c\", "value": "foo" },
  { "replace": "\a/b/c\", "value": "bar" }
]
Internet Media Type

- Proposing application/json-patch
- Considered application/patch+json, but...
  - application/patch too generic base type
  - +json extension not yet codified in any standard
Proposal

• Manage RFC publication of JSON Patch (and JSON Pointer) specifications in APPSAWG. Rationale:
  • These specifications are too small to justify the formation of a new working group
  • Consensus among respondents on APPS-DISCUSS mailing list was positive
  • There are participants who are willing to review the work
Thanks

• Questions and answers