

Enabling Distributed Incident Management: Identifying, Responding, Reporting and Coordinating at Scale and Speed



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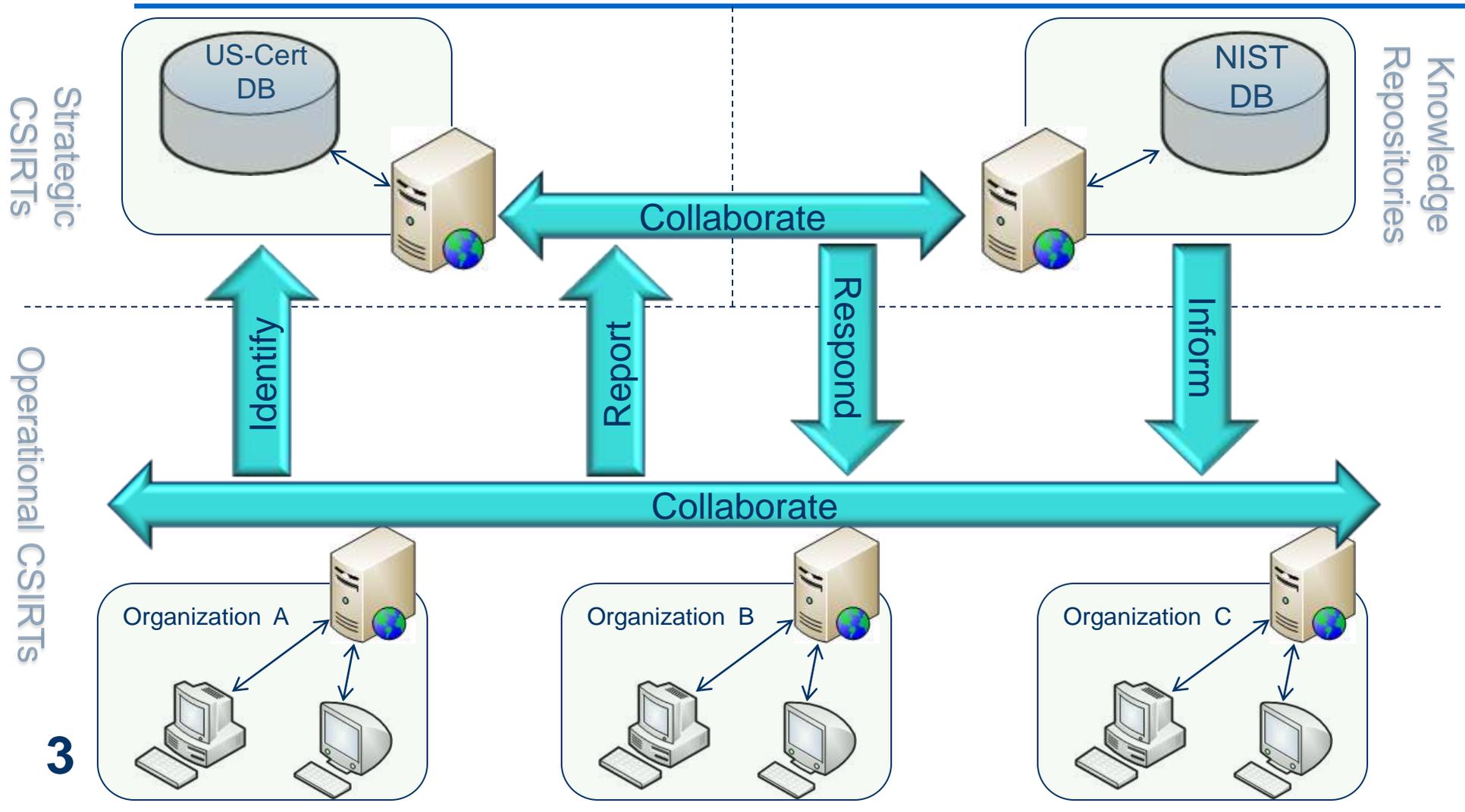
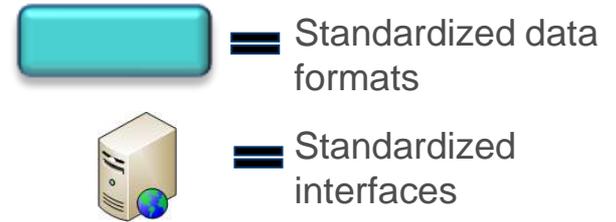


Goals / Design Considerations for Incident Handling Collaboration

- Adaptive Data Models
 - Incidents change rapidly, so should the data models.
 - Encode stabilized semantics, but leave room for extension.
- Customized Reporting Techniques
 - Allow CSIRTs to customize how they report depending on incident type.
 - Only need the data to make sense of the incident, no more.
- Re-use and Composability
 - No need to re-invent data models, use what exists.
 - Combine multiple data models to paint the larger picture.

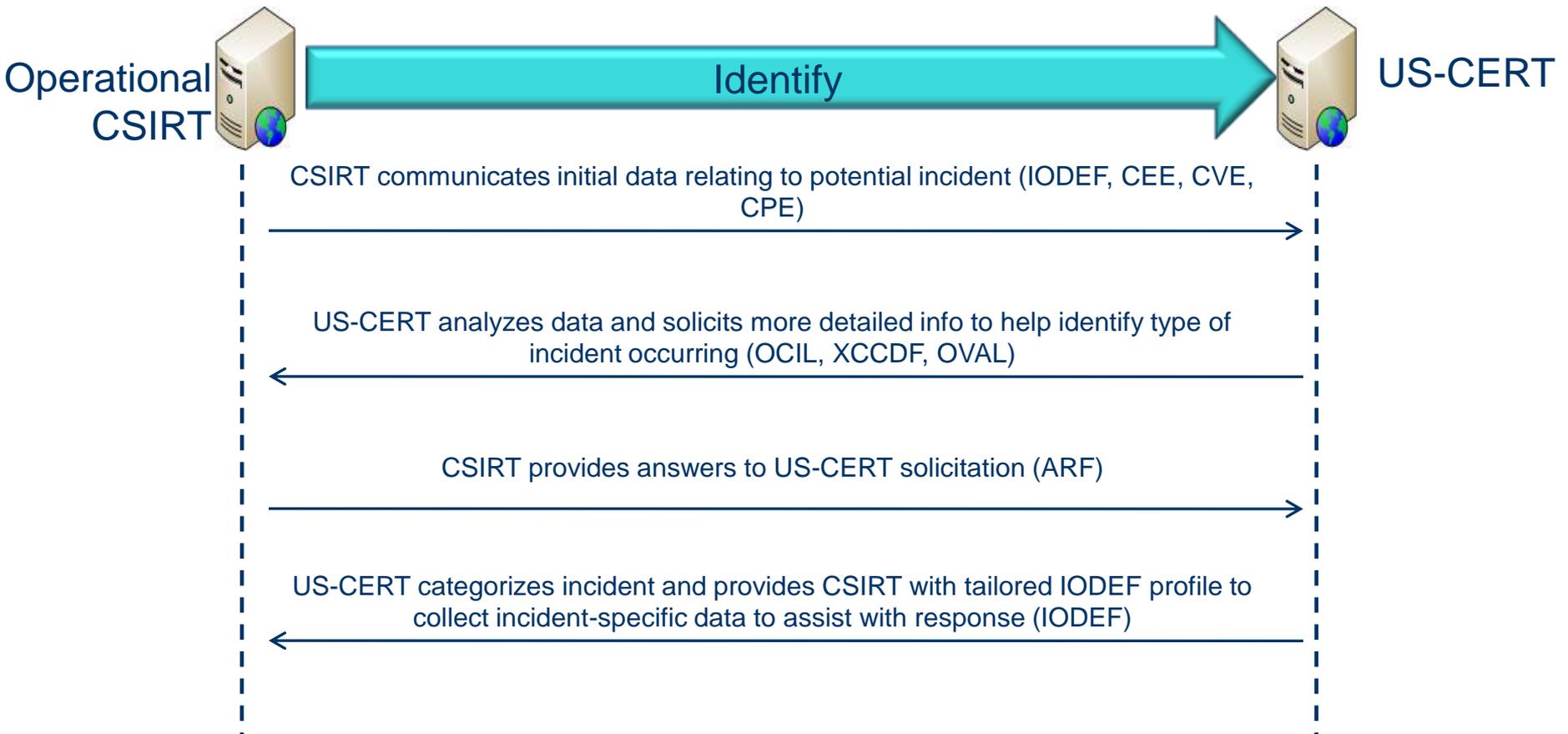


Potential Collaboration Architecture



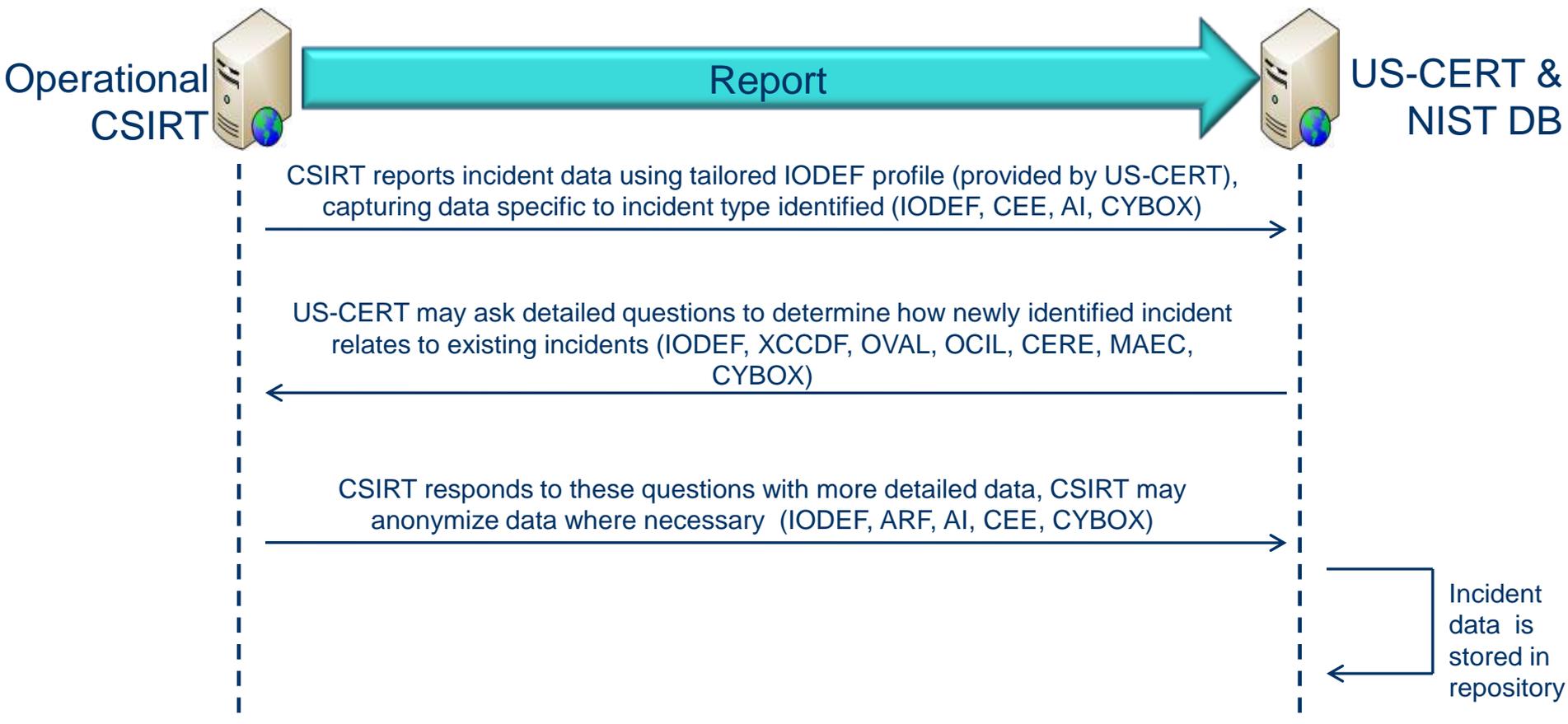


Using standardized data formats to automate incident identification



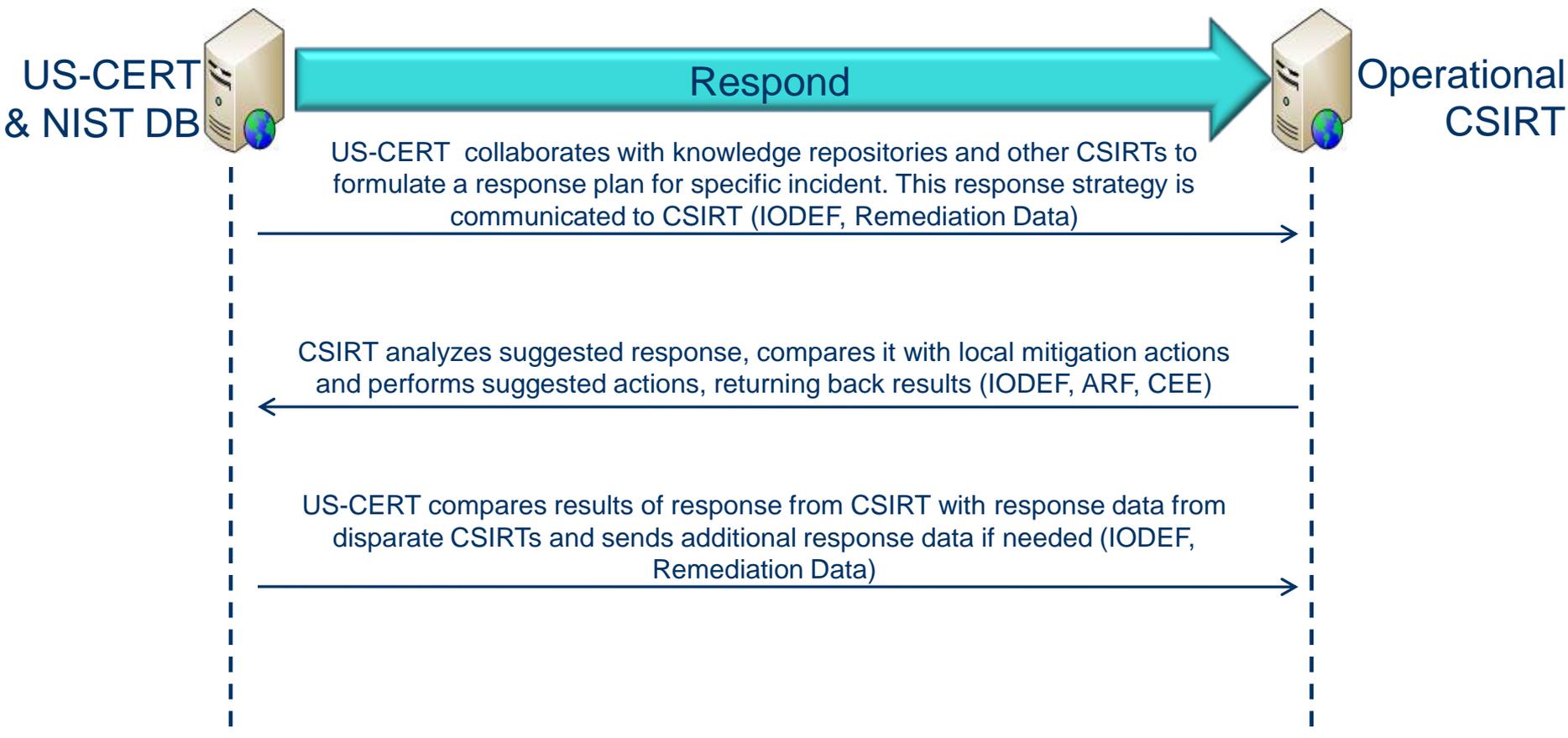


Using standardized data formats to automate incident reporting



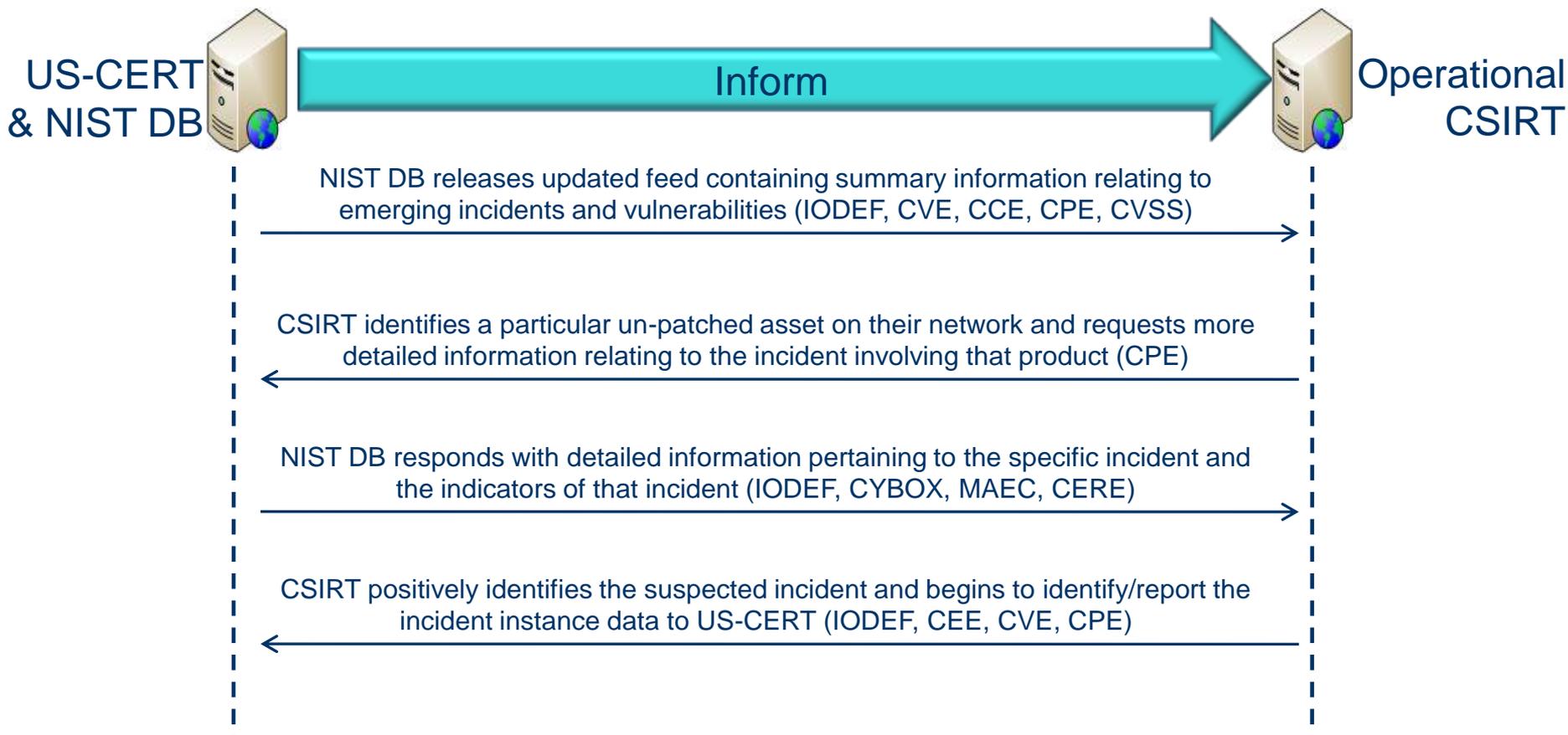


Using standardized data formats to automate incident response



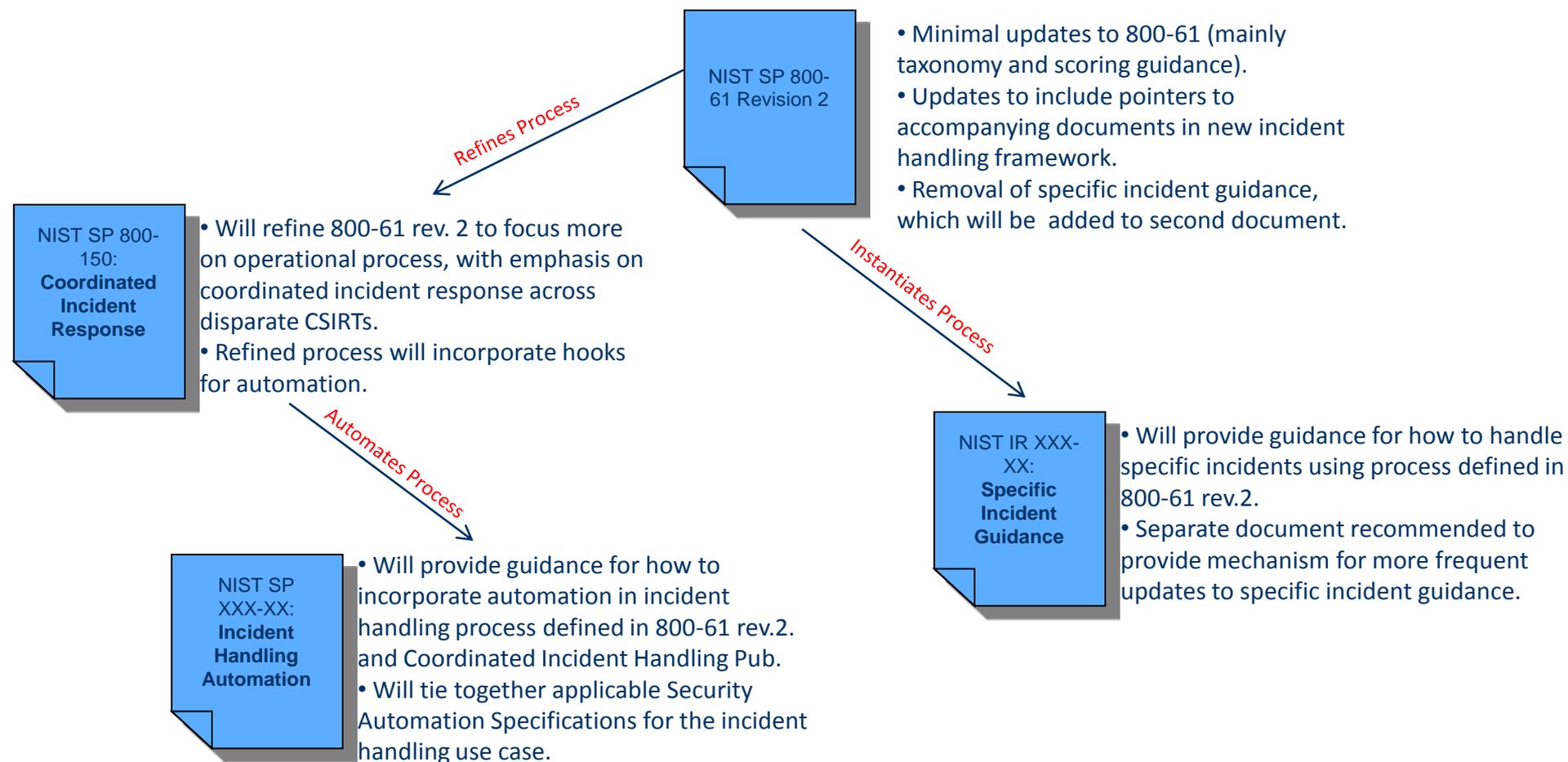


Using standardized data formats to automate information dissemination





Proposed Evolution of NIST SP 800-61 rev.1





Community Involvement

- Community feedback will drive the future direction of this work.
- The primary mechanism for community involvement will be the Incident Data Exchange Working Group mailing list (idxwg@nicwg.org).
 - Engineering discussions relating to the technical aspects of this work.
 - Announcements relating to release of publications, data models, and reference implementations.
 - Contact Tom Millar (Thomas.Millar@us-cert.gov) to be added to list.



Questions & Answers / Discussion



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