



SAFE SKIES.
**SUSTAINABLE
FUTURE.**



| ICAO



CAAS SWIM-CRV Cloud Platform Use-Case

Singapore/ Civil Aviation Authority of Singapore

Introduction – Cloud Platform

CAAS SWIM-CRV Cloud Platform Use-Case

(w/o connectivity between cloud providers and the CRV - illustration)

CAAS SWIM-CRV Cloud Platform Use-Case

(proposed connectivity between cloud providers and the CRV -illustration)

CAAS SWIM-CRV Cloud Platform Use-Case

(w/o connectivity between cloud providers and the CRV)

CAAS SWIM-CRV Cloud Platform Use-Case

(proposed connectivity between cloud providers and the CRV)

Benefits

1 - Introduction Cloud Platform

- Cloud platform offers scaling capabilities to ensure systems/ applications can handle workloads/ traffic efficiently. It helps to ensure cost efficiency, performance optimisation and reliability by adjusting computing resources
- Moving forward, CAAS will implement some of its next-generation systems on a cloud platform

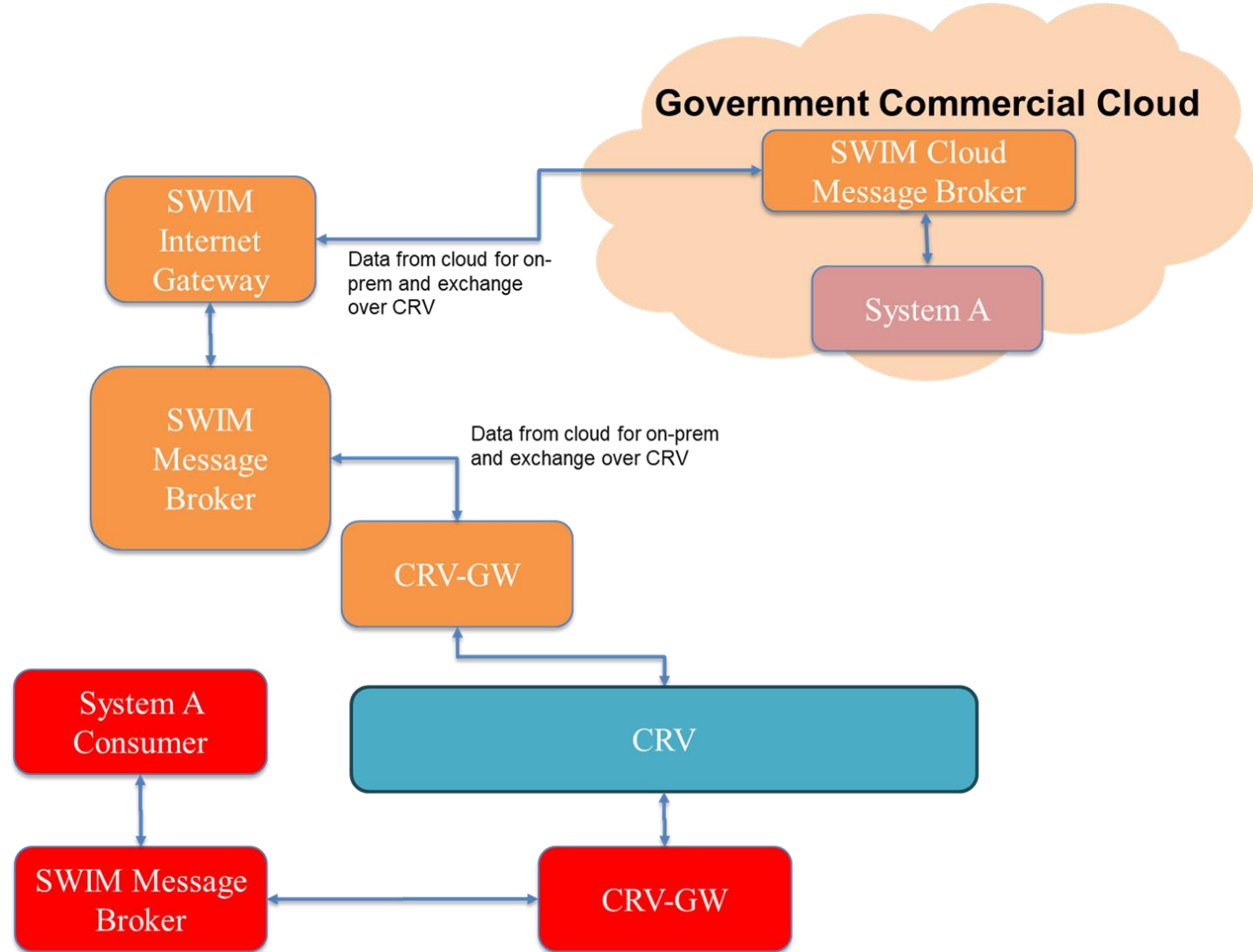
2 - CAAS SWIM-CRV Cloud Platform Use-Case

(w/o connectivity between cloud providers and the CRV)

- Currently, there is no connectivity between cloud providers and the CRV
- Scaling CAAS on-premises infrastructure to match the scalability of cloud platform can be difficult

3 CAAS SWIM- CRV Cloud Platform Use- Case

(w/o connectivity
between cloud
providers and the
CRV – illustration)



4 - CAAS SWIM-CRV Cloud Platform Use-Case

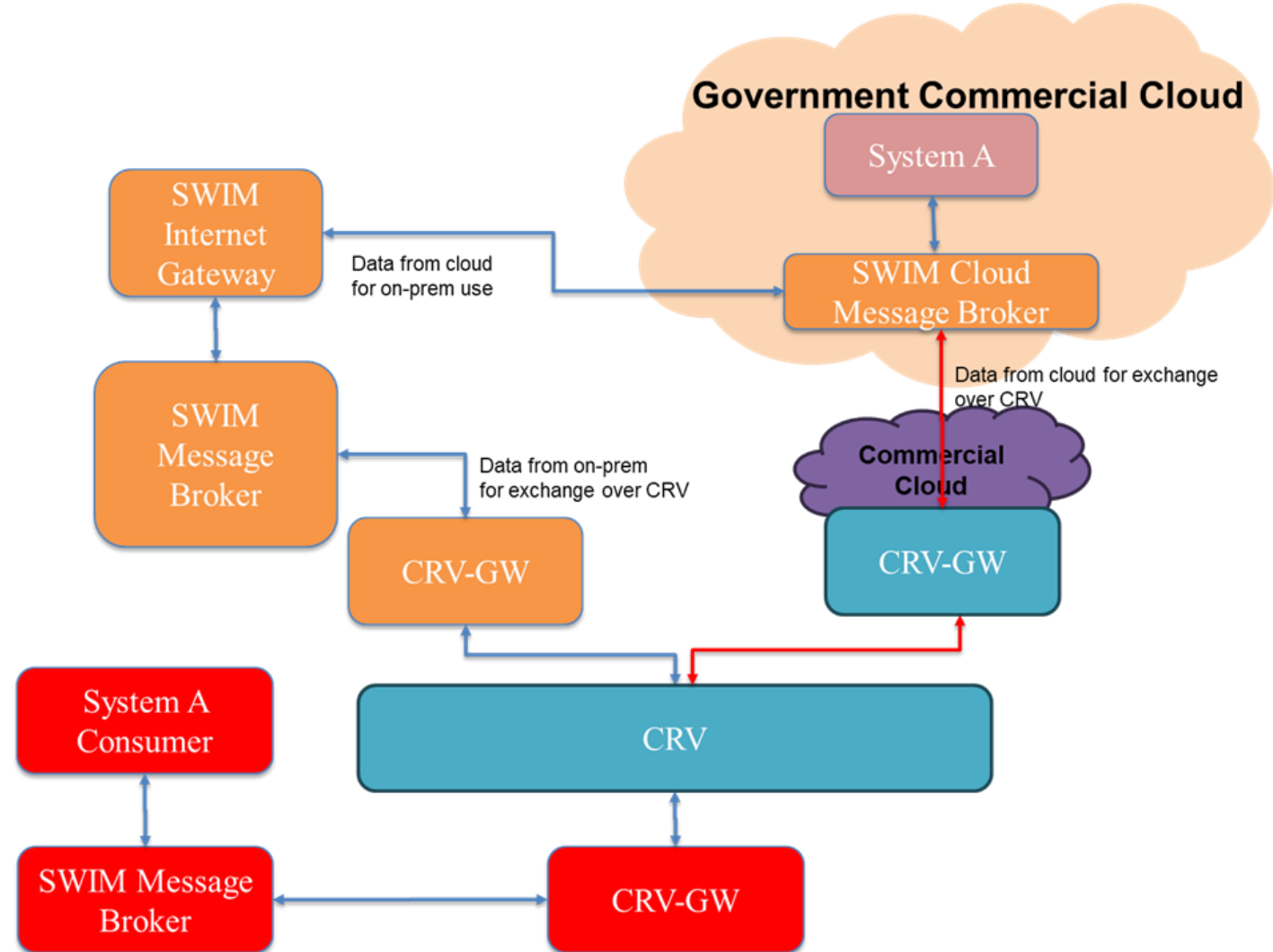
(proposed connectivity between cloud providers and the CRV)

- Propose CRV service provider to provision interconnectivity between Government Commercial Cloud and Commercial Cloud to enable data from Cloud Platform for exchange over the CRV to bypass CAAS' on-premises infrastructure
- Connectivity between cloud platforms and the CRV would route data directly from cloud platforms to consumers

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CAAS SWIM-CRV Cloud Platform Use-Case

(proposed connectivity between cloud providers and the CRV – illustration)



6 - Benefits

- CAAS' systems on cloud platform can scale to accommodate consumers' demand
- Scaling on cloud platform ensure cost efficiency, performance optimisation and reliability by adjusting computing resources

Thank You

