

HHI-2118

InterConnect
2017

Developing Integrations for IBM Integration Bus on Cloud

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Development, IBM Integration Bus

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IIB Sessions at InterConnect 2017

Session	Who	Time
2110A What's New in IBM Integration Bus	BT	Monday 16:15 – 17:00
2141A IBM Integration Bus Futures and Strategy (<i>Inner Circle only</i>)	BT	Tuesday 11:30 – 12:15
2158A Technical Introduction to IBM Integration Bus	GG	Tuesday 13:30 – 14:15
2118A Developing Integrations for IBM Integration Bus on Cloud	GG	Tuesday 14:30 – 15:15
2144A IBM Integration Bus Customer Roundtable	BT	Tuesday 15:45 – 16:30
2121A Docker and IBM Integration Bus	GG	Wednesday 09:00 – 09:45
2151A Effective Administration of IBM Integration Bus	SN	Wednesday 10:15 – 11:00
7445A Application Integration Suite Meet the Experts	BT	Wednesday 14:00 – 14:45
2144B IBM Integration Bus Customer Roundtable	BT	Wednesday 16:15 – 17:00
2124A Operational and Business Monitoring with IBM Integration Bus	SN	Thursday 09:30 – 10:15
2111A IBM Integration Bus and REST APIs	SN	Thursday 10:30 – 11:15
2166A IBM Integration Bus Version 10 Hands-On Scheduled Lab	GG+SN	Monday 13:00 – 14:45
2166B IBM Integration Bus Version 10 Hands-On Scheduled Lab	GG+DS	Thursday 08:30 – 10:15
9402 IBM Integration Bus Version 10 Hands-On Open Lab	None	Any Open Lab Session

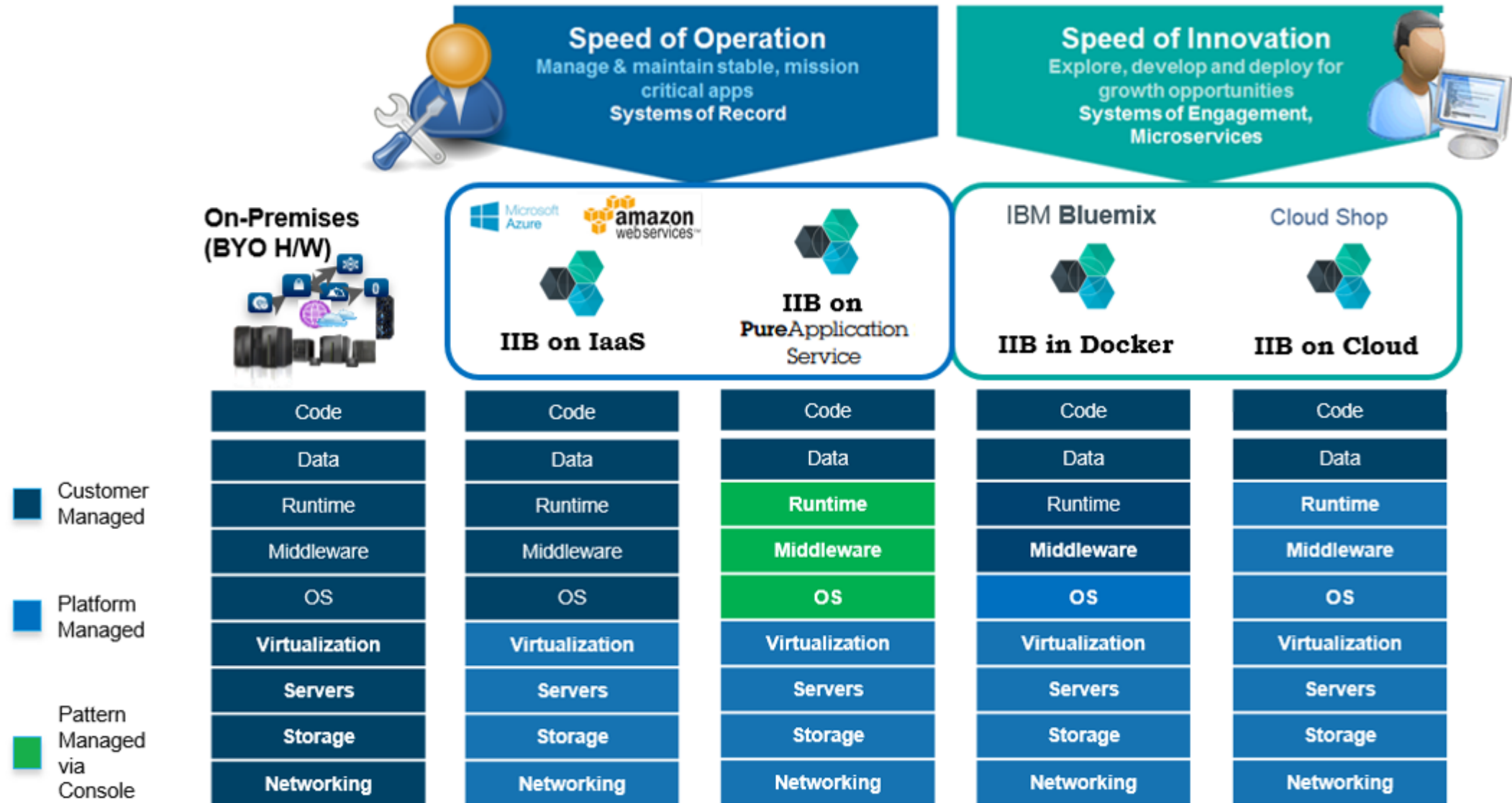
In case slide decks aren't your thing...

- <https://developer.ibm.com/integration>
- Lots of blog entries, regular updates and links to product demo videos! All our recent enablement material is on YouTube.

Async Callable Flow Invoke Nodes	https://youtu.be/btFcvdleDMw
Running IIB in BlueMix Container Service	https://youtu.be/ybGOiPZO3sY
IIB and Kibana dashboards	https://youtu.be/sCPrT2dHKsS
IIB and Hybrid Connect	https://youtu.be/gWbxlooq3_g
IIB and LDAP	https://youtu.be/HrqY9MyfzNs
IIB LoopBack Request node	https://youtu.be/rUK_OQ5-Anw
Using IIB to integrate with MongoDB and Cloudant	https://youtu.be/ls1pphngUIM
Using IIB for REST, Graphical Mapping & Salesforce	https://youtu.be/XIK6QvNSHdY
IIB, Kafka and Twilio SMS	https://youtu.be/7mCQ_cfGGtU
Using Kafka with IIB	https://youtu.be/kYv0crxL86Y
Consuming REST APIs using the IIB REST Request node	https://youtu.be/C_6gPIrCHZQ
Easy demo of an IIB App Connect node	https://youtu.be/StwPbOiFKzk



IBM Integration Bus and The Cloud



Container Technology

All components are built into Docker containers

The IIB 'DataFlowEngine' (DFE) process runs stand-alone in Docker

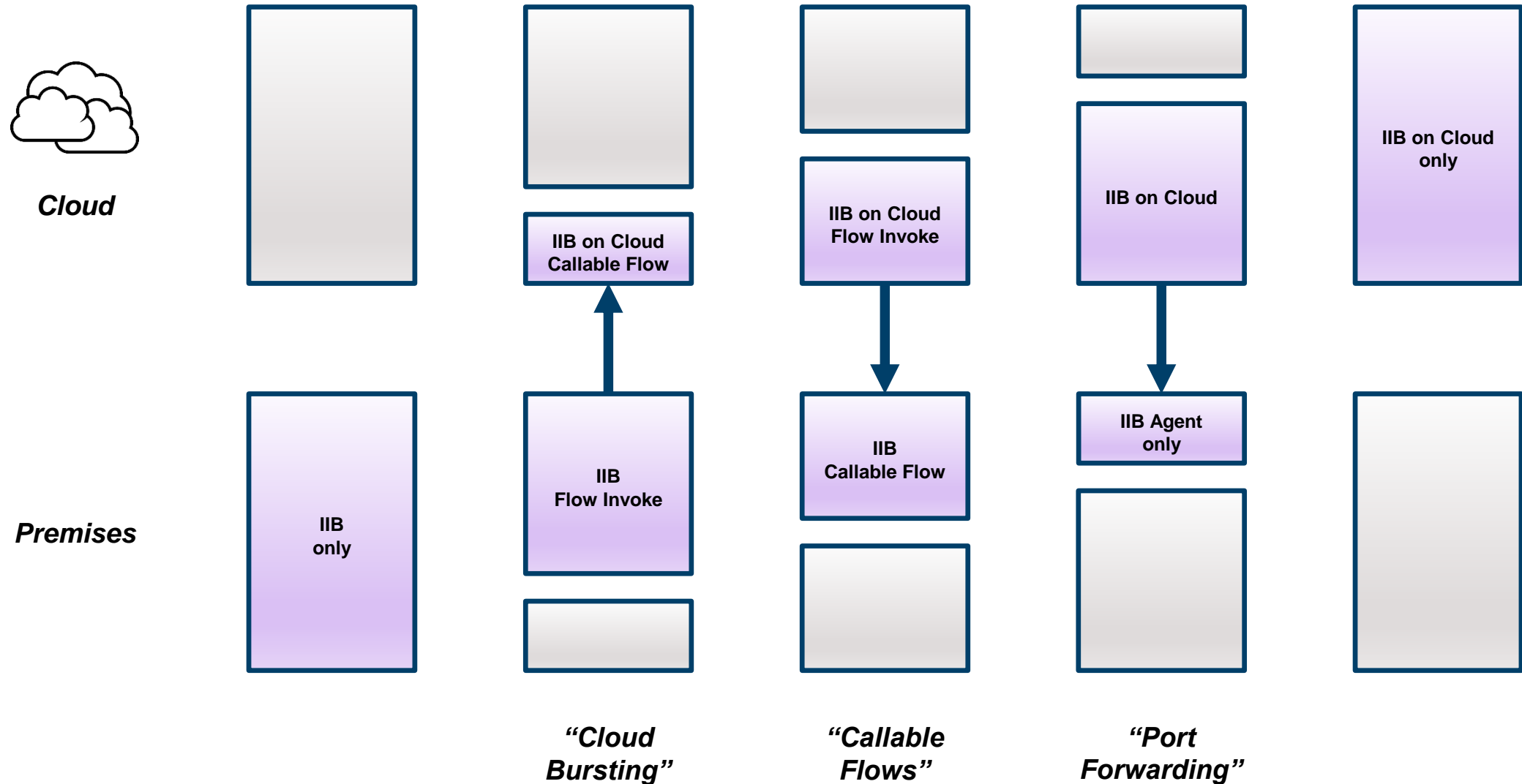
- Admin Agent and Control Service not used in IIB on Cloud
- DFEs are stateless and can be rapidly re-started and independently scaled

Multiple instances of IIBoC components

- Load-balanced and highly available

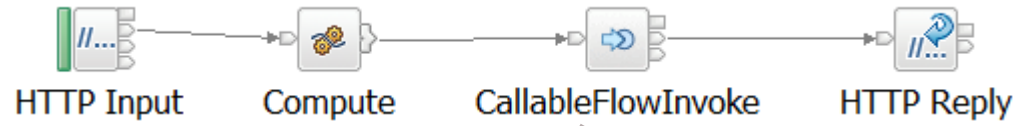
Whole system runs in the BlueMix Container Service on SoftLayer

IBM Integration Bus and The Cloud



Cloud Burst Demo

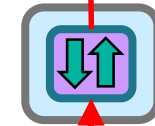
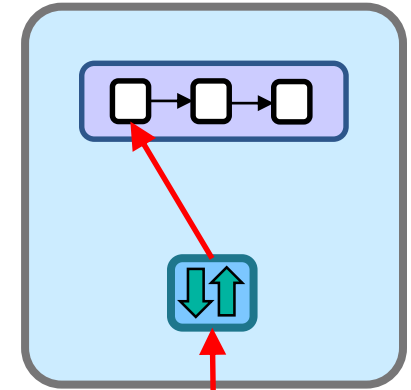
Consumer



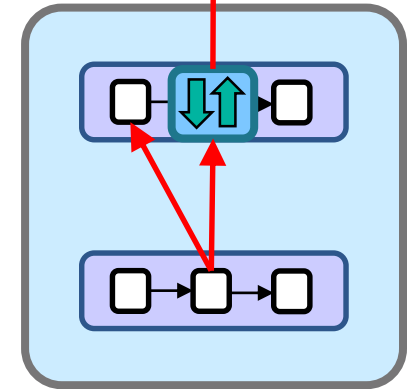
Provider



I/B on Cloud

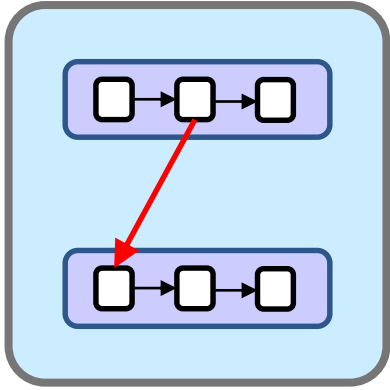


Premises

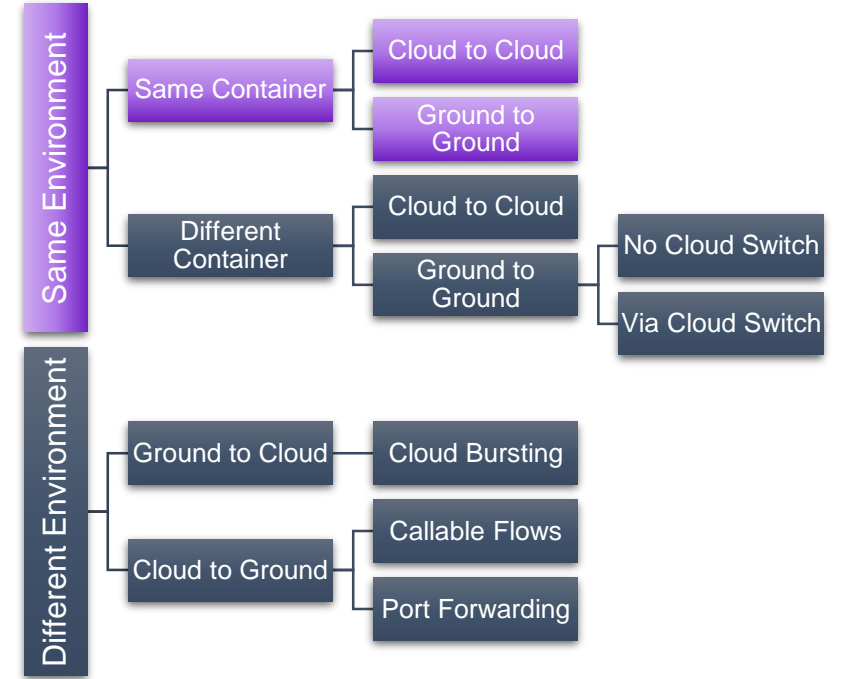
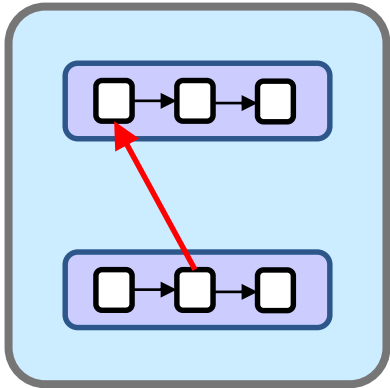


Connectivity Between Cloud and Premises

Cloud

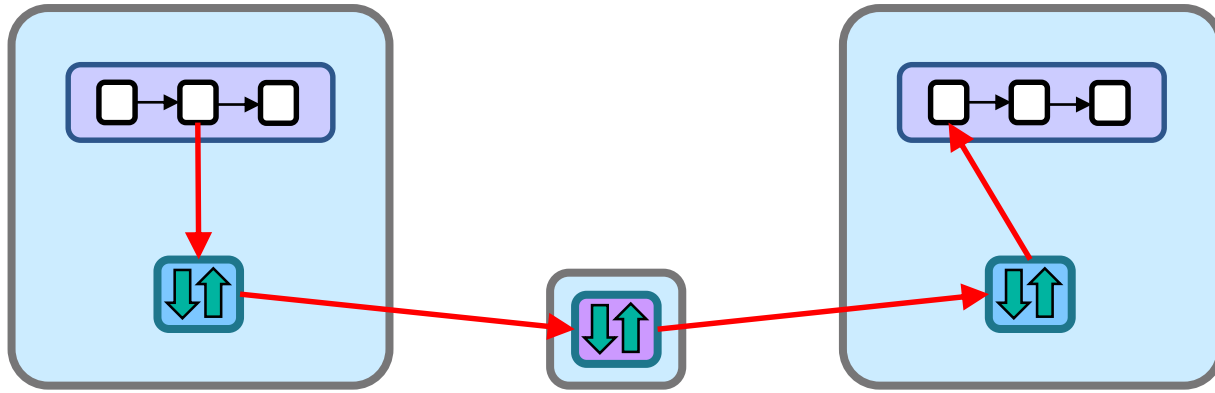


Premises

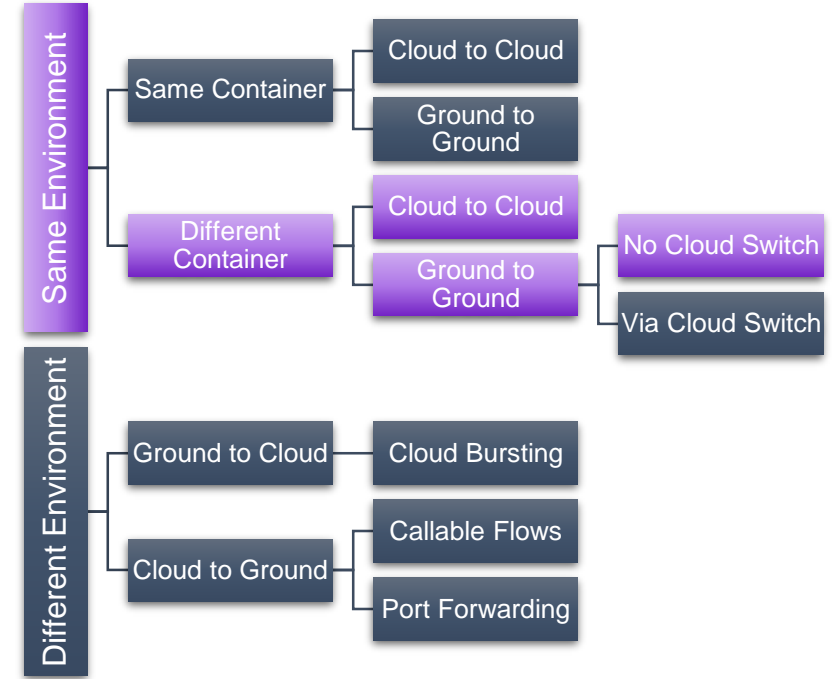
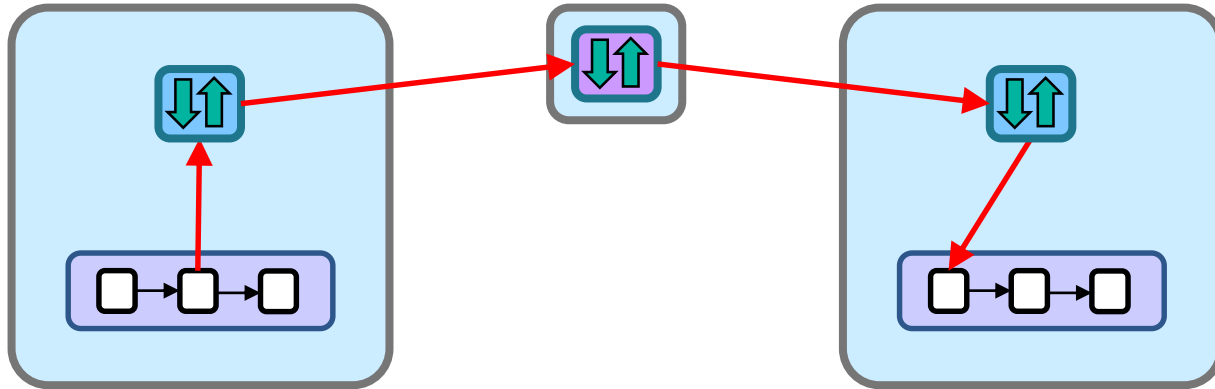


Connectivity Between Cloud and Premises

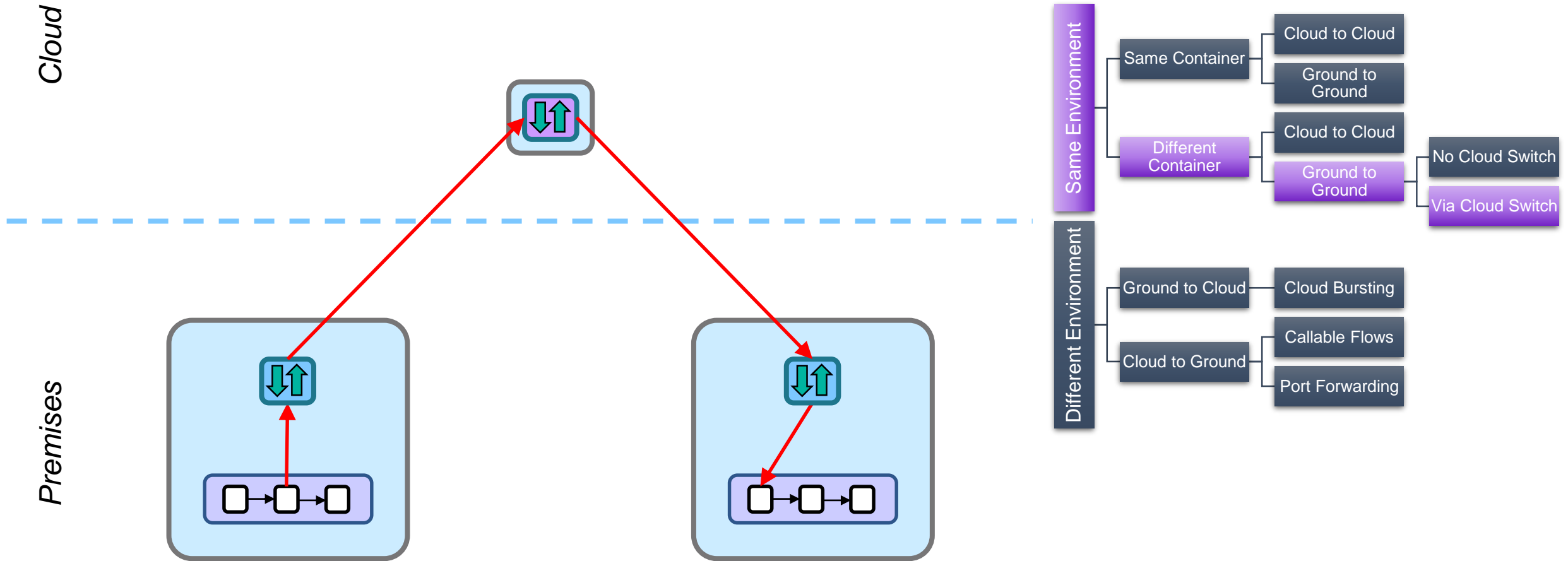
Cloud



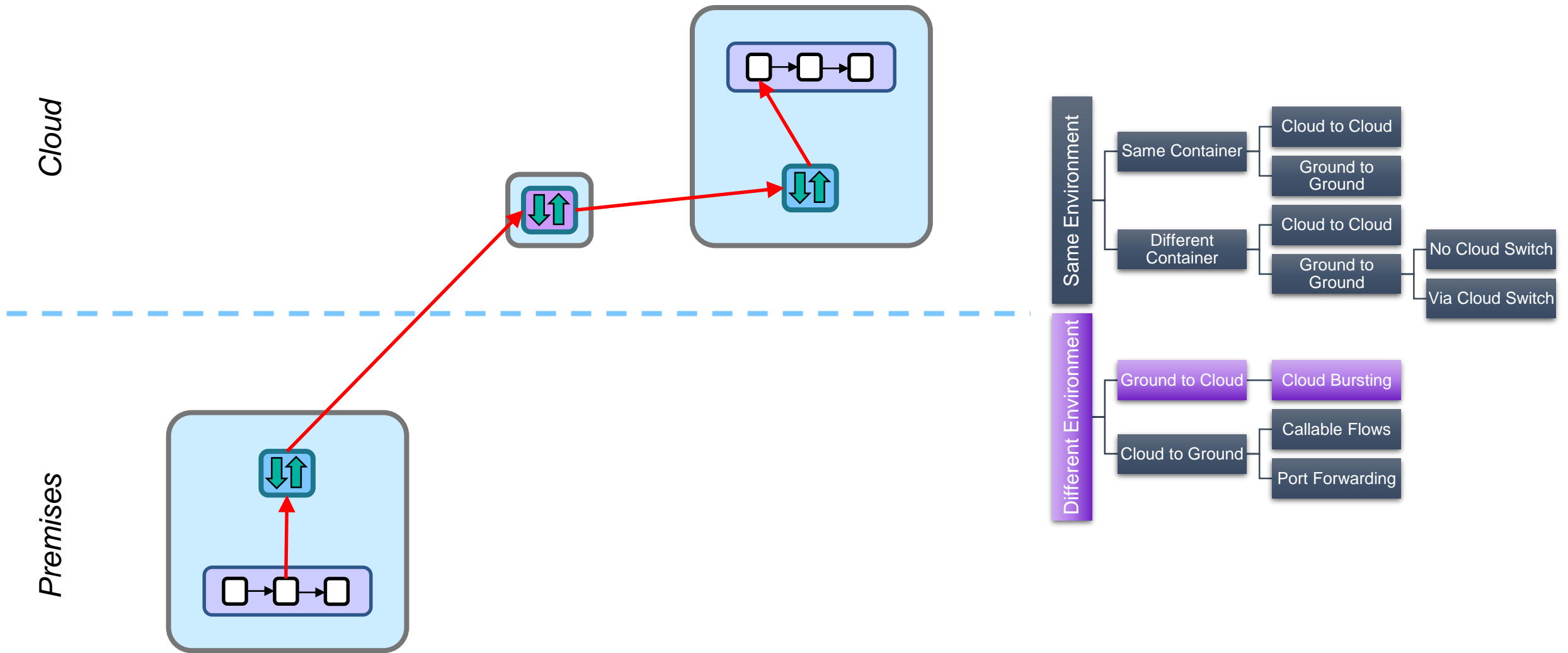
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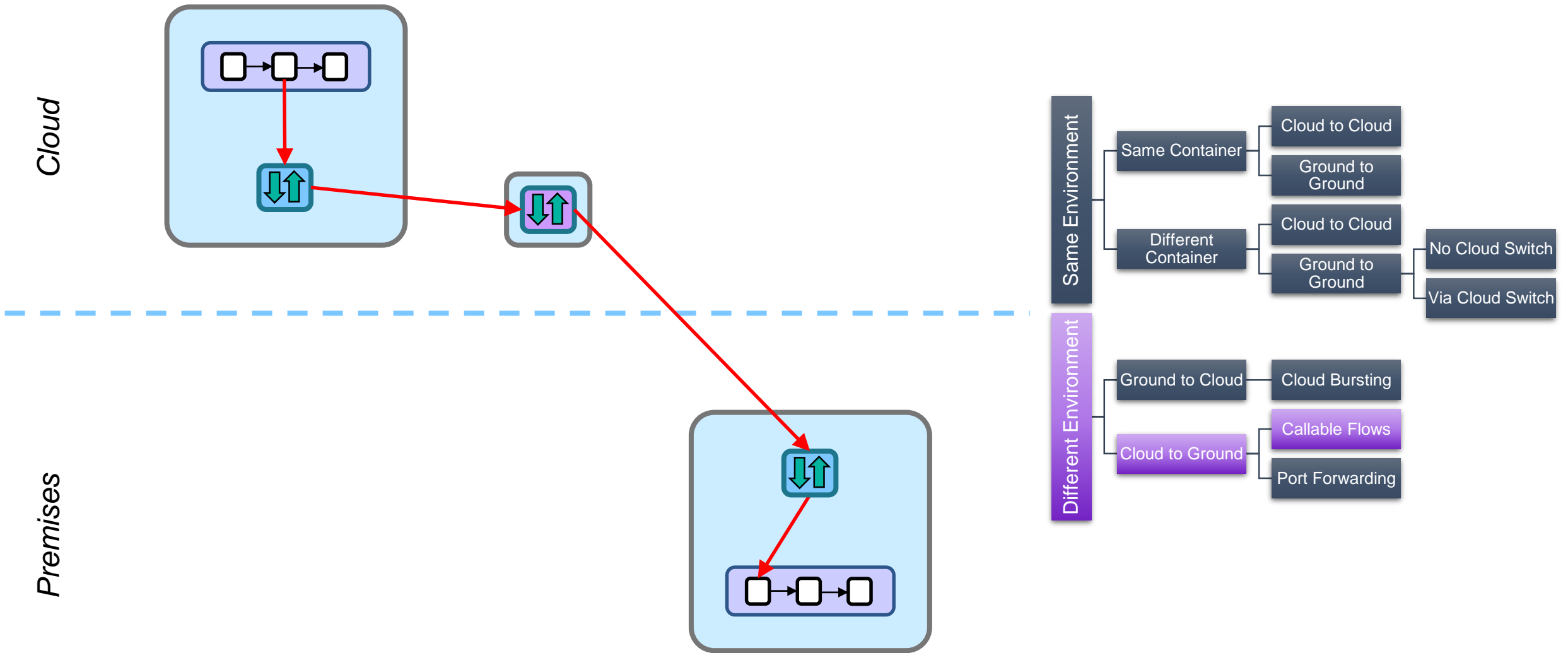
Connectivity Between Cloud and Premises



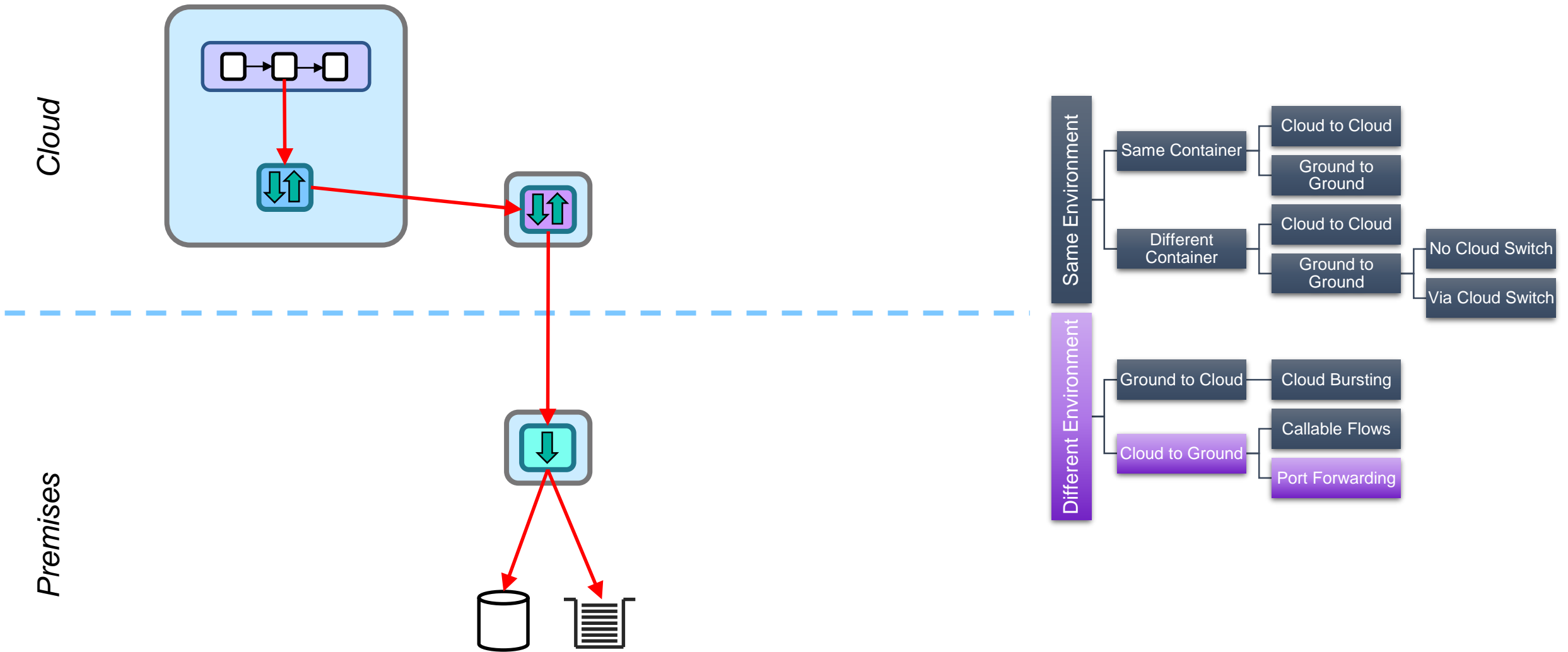
Connectivity Between Cloud and Premises



Connectivity Between Cloud and Premises

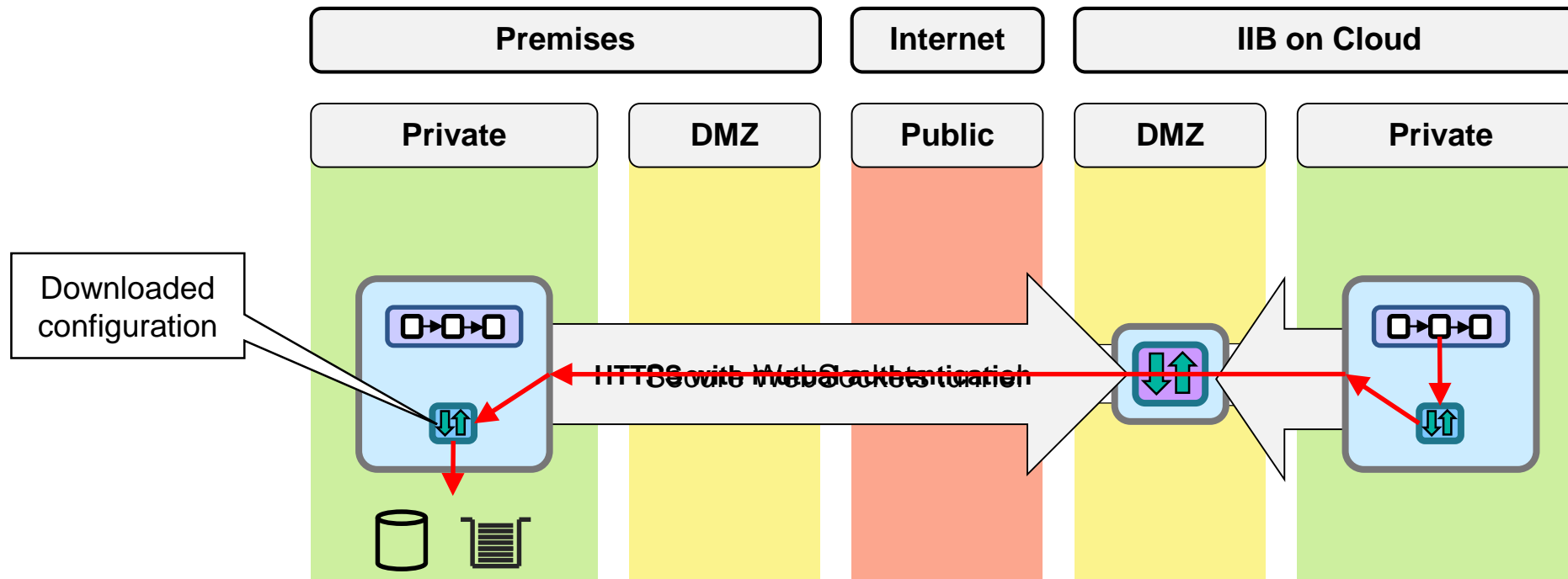


Connectivity Between Cloud and Premises

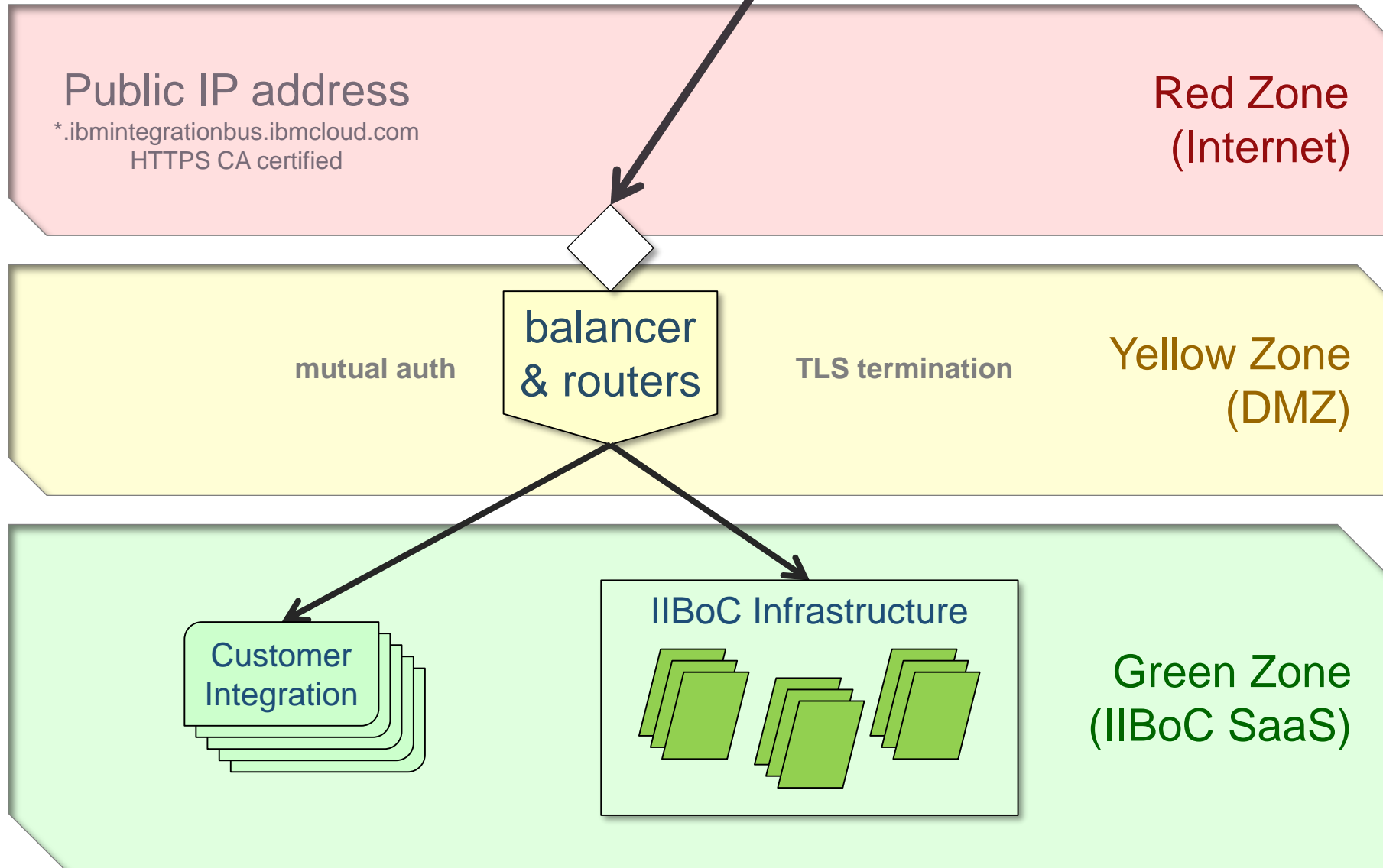


Securely connecting IIBoC back to systems on the premises

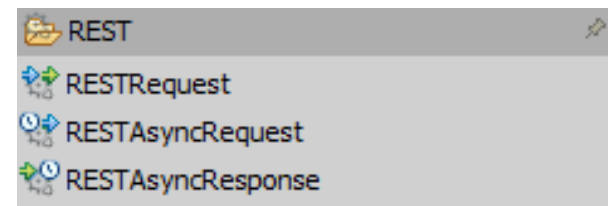
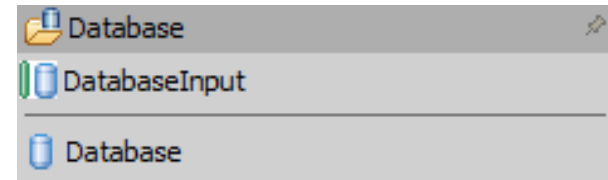
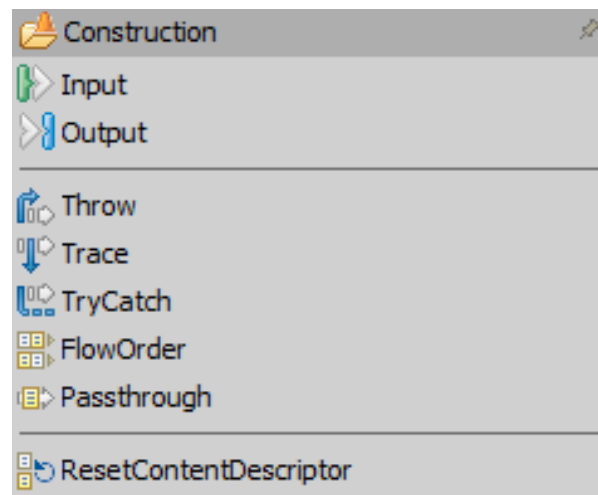
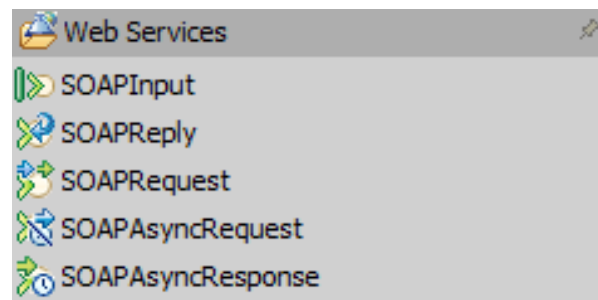
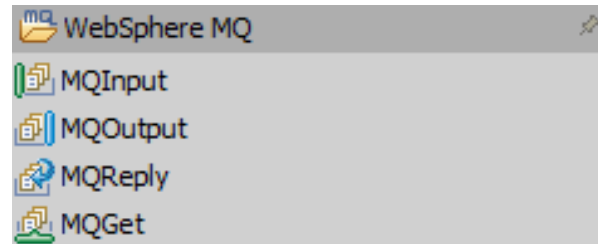
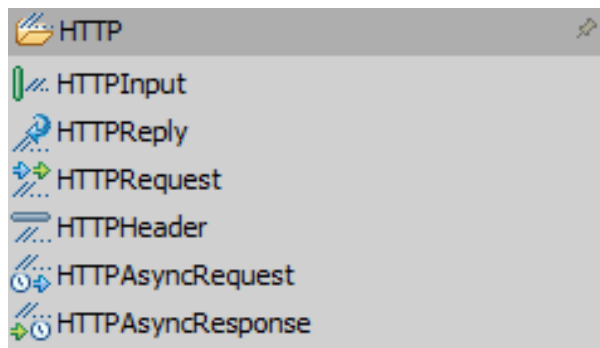
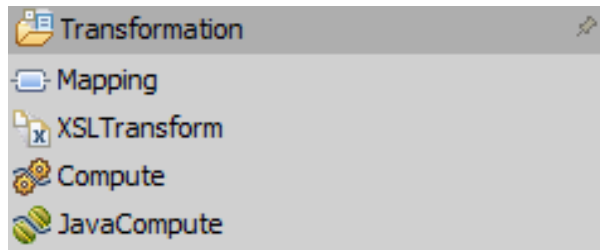
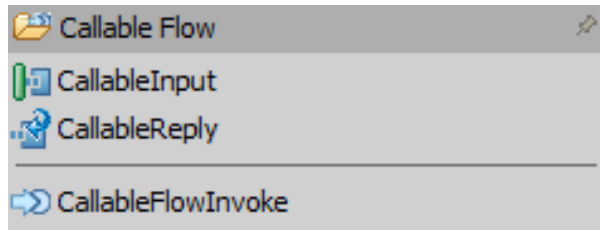
- TLS mutual authentication using IIB provided certificates
- More options planned in future, such as user provided certificates
- Only explicitly configured on-premises endpoints are accessible
- No need to install DB2 or MQ clients nor run any IIB commands or create files like ODBC.ini



Security of the IIBoC Architecture



Available Nodes



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Thank you!

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