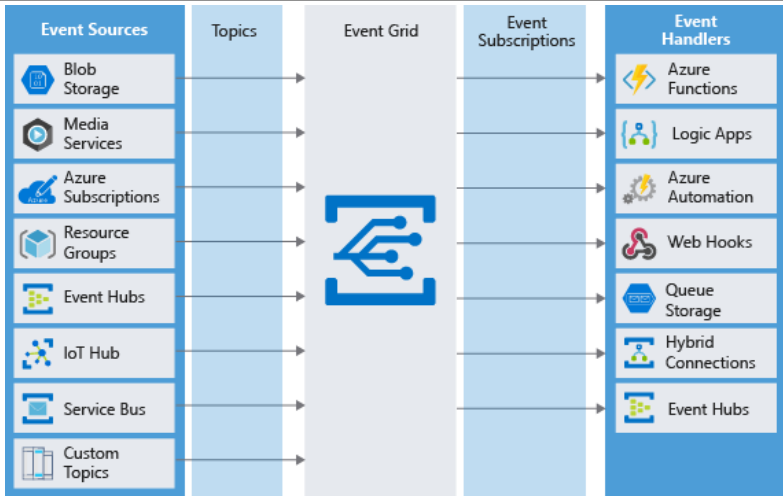
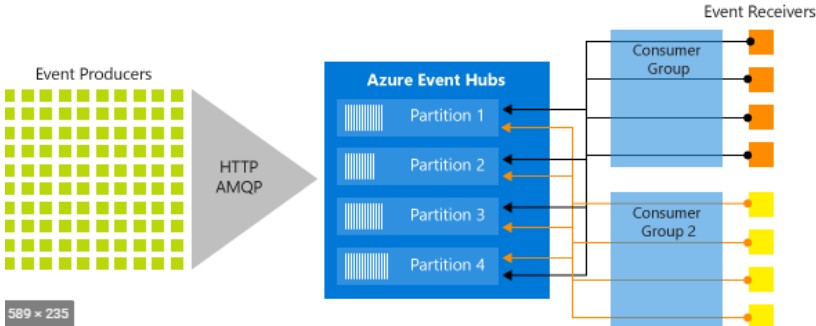



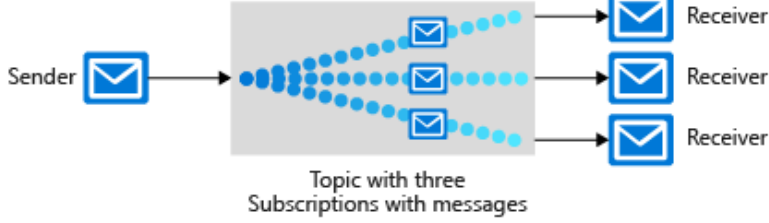


V.4 Choose the right messaging service

mercredi 5 janvier 2022 10:59

	Description	When	Characteristics
Event Grid		<ul style="list-style-type: none"> • For events • Simple event publish-subscribe infrastructure with trusted publishers (e.g. your own web server) 	<p>- 64 ko max/event</p> <pre>[{ "topic": string, "subject": string, "id": string, "eventType": string, "eventTime": string, "data": { object-unique-to-each-publisher }, "dataVersion": string, "metadataVersion": string }]</pre> <p>/!\ Data = ref (url ou id) towards true data</p>
Event hubs		<ul style="list-style-type: none"> • For events • You need to support authentication for a large number of publishers. • You must register an event stream in Data Lake or Blob storage. • You need an aggregation or analysis of your event stream. • You need reliable messaging or resiliency. • You need high throughput & scalability 	<p>Partitions: Event hubs divides communications into buffers in which events are recorded (24h by default).</p> <p>Capture: Event hubs can save events to a data lake or a blob</p> <p>Authentication: All publishers are authenticated in azure event hubs and receive a token that allows them to send an event.</p>
Storage Queue		<ul style="list-style-type: none"> • For messages • High demand for sending messages • Single queue, no additional stuff • Tracking the progress of the message in the queue 	<ul style="list-style-type: none"> • Unlimited queue size • Until 2000msg/sec • 64 ko max/msg • No fifo guaranteed

		<ul style="list-style-type: none"> Easier audit and logs 	
Service bus queue		<ul style="list-style-type: none"> For messages Compared to azure storage queues: <ul style="list-style-type: none"> Support for larger messages Supports multiple delivery methods Guarantees FIFO Transaction RBAC 	<p>256 Kb/msg max</p> <p>Queue size < 80GB</p>
Service bus topics		<ul style="list-style-type: none"> For messages Compared to queue <ul style="list-style-type: none"> If several receivers planned 	<p>Not supported in basic pricing tier</p> <p>filtering (sql) possible via subscription</p>