

Microsoft Access on the Web in 2018

Exploring your options for replacing Access Web Apps

What do you want on the Web?	Type of Application	Options
Application & Data	Business	Front end - PowerApps Back end - SQL Azure
Application & Data	Customer or consumer facing	Front end - web and/or mobile app MVC is the standard for Web Back end - SQL Azure
Data only	Any	Front end – Microsoft Access on a desktop Back end – SQL Azure



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Backend in SQL Azure

Pricing	Based on features and usage (how many DAYS your database is enabled during the month) Lots of options – Basic 2GB max with 7 days point in time restore \$5/mo Standard – lowest 250 GB max with 30 days point in time restore \$15/mo
Setup	Setup Server Setup one (or more) databases on the server
Security	Quite a few options for different levels In its simplest form, add IP address, addresses or range to SERVER Copy Connection string to database Gives connected database tables read/write access to the data
References	Get Your Data From Your Expiring Access Web App https://gpgonaccess.blogspot.com/2017/04/get-your-data-from-your-expiring-access.html



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PowerApps – Canvas, Model-driven

Pricing	<p>Currently comes WITH business and enterprise Office 365 plans (canvas apps only)*</p> <p>Model-driven apps available with PowerApps Plan 1 (\$40/user/month) or with Dynamics 365 Enterprise plans</p> <p>*Comes disabled by default, must be enabled through the O365 admin menu</p>
References	<p>https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/getting-started</p> <p>https://docs.microsoft.com/en-us/powerapps/maker/model-driven-apps/model-driven-app-overview</p> <p>Explaining the differences between the two types</p> <p>https://powerapps.microsoft.com/en-us/blog/powerapps-spring-announce/</p>
Notes	<p>Model-driven apps are the most like Access Web Apps in that they auto create the UI for you</p> <p>Canvas apps have the most flexibility to modify the UI</p> <p>Both platforms are still new and more capabilities are being added each month. They have the full support of Microsoft for the future because they are paid subscriptions.</p>



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Microsoft Access on a desktop connected to – SQL Azure

Connect tables & Pass Thru Queries	Copy Connection string to database Create DSN & use Access Linked Table Manager to relink Or DSNless, relink with code
Recordsets	CurrentDb.OpenRecordset assigned to a form New rows will be READ Only unless you add dbSeeChanges option OpenRecordset(Name As String, [Type], [Options], [LockEdit]) Illustrate with frmContactsModified
Pass Thru Queries	Generally much faster than running queries in Access because: Filters are apply AFTER the data is passed back to Access Joins are done AFTER the data is passed back to Access and in memory



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