

MSDIS Update – March 2022

Updated Data

- MO Local Public Health Agency Districts
- MO Local Public Health Agencies
- MO MoDOT Roads Routes
- MO MoDOT Roads Arcs
- MO MoDOT Rest Areas
- MO MoDOT Commuter Lots
- MO MoDOT Emergency Reference Markers
- MO Licensed Pharmacies
- MO Long Term Care Facilities
- MO Adult Daycare
- MO Sales Tax Boundaries
- MO Rural Health Clinics
- MO Ambulatory Surgical Centers
- MO Dialysis Centers

MSDIS General News

MSDIS remains invested in the deployment of the new image server.

However... after several months of testing the responsiveness of the statewide 2015 DOQQ service and being increasingly disappointed, we also took some time in March to experiment with alternatives. At the core of the issue was the fact that the 2015 DOQQ service was a mosaic built out of other mosaics. Specifically, it was a statewide service pieced together from five large mosaics, each living in its own section of our storage server. When we initially rolled the 2015 DOQQ out, that was simply the easiest, most straightforward way to combine the data.

With a little bit of time on our hands to play with different options, though, we moved all of the 2015 MrSID images to a standalone folder on the MSDIS storage server and started building a new service out of that. Our initial plan was to build the new service out of the county MrSID images, but that fell through when we discovered that one of the St Louis-area county SID files was corrupt. Undeterred, we combined the county SID files from the rest of the state with the two East-West Gateway area SID files, which cover a slightly larger footprint than the county counterparts. With all of the necessary pieces accounted for, and thanks to an epiphany at 1AM on what to do about the null value pixels, we were finally able to build a complete statewide service with no obvious gaps or seams.

Our initial plan was to create a new service named MrSID_Missouri and run the new mosaic parallel to the existing DOQQ version. That would give us time to compare both and open the new service up for testing. We did, in fact, do that. You can still find the MrSID service on the MSDIS server right now. From our own comparisons, the new service worked better and was significantly faster and more reliable than its predecessor. We were confident that, given the opportunity to compare the two yourselves, you would come to the same conclusion. Sometimes we get carried away and decide to just charge ahead, though.

This was one of those times.

We were so unhappy with the responsiveness (or lack thereof) of the old service, and so pleased with the quality of the new service that, on 24 March, we republished the original 2015 DOQQ service using the MrSID mosaic. The name of the service remained the same in order to prevent anyone from losing their connection, though we did alter the service description in order to clarify that it was being fed by MrSID data. We made no announcement about this change as, if something had gone wrong, we would have found out very quickly from a variety of (very justified) “hey, this isn’t working anymore” emails and phone calls. So we waited.

And waited.

And waited some more.

As of the writing of this monthly report (currently 9:59 AM on 06 April), we have received no complaints about the switch. Additionally, traffic against the DOQQ 2015 service (which is now, in reality, a MrSID 2015 service) is essentially unchanged according to Sawmill.

We believe that this change has been a significant improvement to the quality of one of MSDIS’ most important products. Of course, if this created any problems out in the great wide world, the old version of the service that is powered by DOQQs is still available and can be swapped back in as the active service at any moment.

MSDIS Downtime

No outages were reported during March 2022.

MSDIS March 2022 Server Stats

Imagery

Month	Hits	Page views	Visitors	Sessions	Avg Sessions per day
July-21	3762147	3757245	30572	105689	3409
Aug-21	3880472	3876213	30279	109631	3536
Sept-21	3718255	3713701	28911	103099	3436
Oct-21	3628816	3624776	29386	104228	3362
Nov-21	4204494	4202264	30438	104277	3475
Dec-21	3828617	3827245	31623	104062	3356
Jan-22	3917313	3915634	31154	108024	3484
Feb-22	3677227	3676212	29114	97294	3474
Mar-22	4122785	4121632	32968	120154	3875

Map

Month	Hits	Page views	Visitors	Sessions	Avg Sessions per day
July-21	211474	208281	2614	5636	181
Aug-21	133288	131666	2366	5349	172
Sept-21	151857	149603	2590	5364	178
Oct-21	240977	238728	2709	5713	184
Nov-21	305510	302535	2544	4979	165
Dec-21	224378	221476	2246	4536	146
Jan-22	186941	184114	2005	4341	140
Feb-22	173707	172197	1742	3843	137
Mar-22	240869	238452	2175	4643	149

Archive

Month	Hits	Page views	Visitors	Sessions	Avg Sessions per day
July-21	73928	72602	1121	6394	206
Aug-21	109987	108539	1770	7909	255
Sept-21	81456	79979	1580	7158	238
Oct21	238757	236298	1310	9279	299
Nov-21	706637	702025	1192	11755	391
Dec-21	107452	106107	1232	12562	405
Jan-22	141004	139413	1240	13183	425
Feb-22	91628	89756	1253	10539	376
Mar-22	282381	279459	1295	10899	351