



**Request for Information (RFI) #2527
Video Platform - Content Delivery Network
for the
New York State Media Services Center**

1. INTRODUCTION

1.1. GENERAL INFORMATION AND PURPOSE

This document describes the Content Delivery Network (CDN) technical requirements for Office of General Services (OGS) Media Services Center (MSC). It is intended to gather information that may be useful in drafting a procurement solicitation. Vendors interested in participating in any possible future opportunities are encouraged to respond to this RFI.

1.2. TERMINOLOGY

OGS - Office of General Services

MSC - Media Services Center

CDN - Content Delivery Network

1.3. PROJECT BACKGROUND / CURRENT CONDITION

Current Condition

The Media Services Center (MSC) currently delivers HD1080i video content which is encoded as RTMP to a Content Delivery Network. This is the only input to the CDN and includes embedded audio and closed captioning (which are provided by the MSC). Content can either be live or post-edited, and is not edited on the CDN server. The current Content Delivery Network provides player support for multiple platforms (including but not limited to: Android, iOS, Windows, Macintosh), as well as all current, major browsers (including but not limited to: Chrome, Firefox, Edge).

Hypothetical Stream Scenario

There are 100,000 viewers for this event, which lasts 100 minutes. 50,000 viewers (50%) watch the stream for 50 minutes. The other 50,000 (50%) watch the stream for 100 minutes. The total bitrate of the stream including audio is 1 MiB/s, and it can be assumed there is only one rendition. 80% of the viewers will be closest to a datacenter in the Northeast USA. 20% of the viewers will be on the West Coast USA. The entire event is live and will be pushed into the vendor's CDN from Albany, NY at the 1 MiB/s rendition. Assume all streams are unicast.

Viewers: 100,000

Event Length: 100 minutes all live

Total Bitrate: 1 MiB

Renditions: 1

Repackaging required: yes

50% of viewers watch 100 minutes

50% of viewers watch 50 minutes

80% of viewers are in Northeast USA

20% of viewers are West Coast USA

Monthly Statistics (Actual Usage)

DAY	TOTAL BANDWIDTH (GB)	VIEWED MINUTES	VIDEO BANDWIDTH (GB)	AVG. DAILY UNIQUE VIEWERS	VIDEO IMPRESSIONS	PLAY REQUESTS	VIDEO VIEWS
2021-09-01	13.24	1781.00	13.21	44	262	137	70
2021-09-02	309.11	59,601	308.69	2,244	4,147	5,306	3,510
2021-09-03	143.68	33,255	143.47	1,036	2,091	2,689	1,816
2021-09-04	0.00	0	0.00	0	12	5	0
2021-09-05	39.39	7,559	39.32	457	693	937	549
2021-09-06	27.63	5,270	27.55	501	749	989	634
2021-09-07	0.01	0	0.00	0	43	24	0
2021-09-08	1393.01	145,077	1392.12	4,276	8,795	11,630	7,077
2021-09-09	191.61	32,217	191.40	791	1,998	2,138	1,219
2021-09-10	2.36	121	2.34	8	293	45	8
2021-09-11	11.58	2,174	11.54	113	349	327	148
2021-09-12	3.27	149	3.25	4	156	25	4
2021-09-13	504.44	84,392	504.19	1,304	2,461	3,167	1,942
2021-09-14	241.09	31,494	240.98	373	1,093	2,234	749
2021-09-15	928.47	85,795	927.94	2,496	5,236	6,163	3,764
2021-09-16	20.16	670	20.14	45	166	846	56
2021-09-17	386.93	74,206	386.47	1,962	4,541	5,766	3,391
2021-09-18	2.38	104	2.37	5	156	70	6
2021-09-19	0.17	1	0.16	1	151	12	1
2021-09-20	62.41	8,762	62.33	292	765	1,106	524
2021-09-21	89.14	16,848	88.99	617	1,433	2,181	1,007
2021-09-22	102.64	21,732	102.51	576	1,203	1,557	989
2021-09-23	716.88	70,432	716.45	2,118	4,148	5,477	3,389
2021-09-24	19.13	3,765	19.09	179	370	375	262
2021-09-25	2.61	564	2.61	51	87	93	55
2021-09-26	0.01	0	0.01	0	13	5	0

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2021-09-27	189.85	31,260	189.68	990	1,741	2,086	1,519
2021-09-28	96.39	14,819	96.31	389	783	877	564
2021-09-29	3.71	123	3.66	5	366	158	8
2021-09-30	746.08	69,485	745.62	0.00	4,461	5,189	3,375

NOTE: This is NOT a Request for Proposal.
A contract will NOT be awarded based on submissions.

2. DESIRED KNOWLEDGE

OGS seeks to gain a comprehensive understanding of how vendors would be able to meet our stated needs in Section 1.3 to provide Content Delivery Network services, as well as how pricing would be calculated. We are not looking for a definitive price but rather the methodology used to establish the price, the metrics that determine the price, and how the vendor defines the metrics cited.

1. What are the components that comprise your fee structure? Are your charges based solely on usage, data, or other metrics? Is there a single platform usage fee?
2. Beyond the minimum commit levels of any contract, what metrics do you use to establish overage charges. How are those calculated? Is it a single price or tiered pricing?
3. What services are included in a single platform usage fee?
4. Are there services to allow customers to monitor their usage metrics in realtime?

Vendors are encouraged to be both comprehensive and creative when providing information related to this RFI. The State understands there are a host of potential solutions and it expects equal consideration be given to all options available in the marketplace. Vendors are permitted to submit responses, either in whole or in part, and/or in collaboration with other vendors.

3. CONTENT OF RESPONSE

OGS requests that vendors include the following information in their written responses:

- Company Background – Provide general background information regarding your company, including a summary of previous experience in similar types of projects.
- Potential Solutions – Provide answers to the desired knowledge above in Section 2.
- Issues and Concerns – Provide information regarding any potential issues or concerns that should be considered. Responses may include strength and weakness comparisons of known potential solutions from the vendor's point of view.
- Additional Information – Provide any additional information and/or any other parameters that should be considered or required for bidders to respond to a formal solicitation.

Please respond to the information above and provide the name of your company, its location, a contact person, phone number, and email address when replying to this RFI. A response does not bind or obligate the vendor to any agreement of provision or procurement of services referenced.

As this RFI is designed as a tool to collect information and shall not result in a procurement contract, it does not fall under the requirements of State Finance Law §§139-j and 139-k (the Procurement Lobbying Law) and there is no restricted period. We ask that you direct your questions and responses in writing to the OGS point of contact listed below.

Please respond via email by **October 15, 2021 at 2:00 pm** to both:

Primary Contact

Lee Amado, Contract Management Specialist 2

Office of General Services, Financial Administration Agency Procurement Office

RFI # 2527 – Video Platform - Content Delivery Network

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Secondary Contact

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