**Performance Schema**

*Data Dictionary v 1.0*

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**Introduction**

This data dictionary details rationale, elements and their restrictions/recommended use for the Performance descriptive metadata schema for cataloging and preserving information about live musical performances. This schema is intended to be highly functional and allow for a breadth of details about a performance without setting unrealistic standards for required fields of metadata that can be very hard to accurately fill. This schema is meant to record metadata for the performing artist, venue, and materials associated with the performance, such as captures, critical response and promotional materials.

A few things to note about the schema before getting into the elements and their use in detail:

* In the interest of a low barrier of entry, and with a pragmatic eye toward the difficulty in verifying data for live musical performances, the required elements of the schema are relatively few.
* Wherever possible, identifiers should be URIs. All of the identifier elements were constructed with the availability of URIs for that field in mind.
* There are multiple areas where other metadata schemas that cover more detailed information (such as a/v information about the capture or poster) can be folded into a Performance record. We intend the fields with “Extension” in their name to be the place for outside schemas to be inserted.
* Multiple “notes” fields have been built in for inclusion of more artist-, venue- or song-specific data to be recorded. This approach was chosen in favor of a more bloated schema with fields that are rarely used in records considered complete.
* Other notes?

**Schema Outline**

The Performance schema contains the following elements and sub-elements, in this hierarchy (fields nested below other fields are sub-elements of those elements):

Performance (required)

* performanceArtist (required, repeatable)
  + artistName (required, repeatable)
  + artistIdentifier(required)
  + artistRole (required, repeatable)
  + artistNote (optional)
* performanceVenue (required)
  + venueIdentifier (required, URI)
  + venueName (required)
  + venueCountry (optional)
  + venueState (optional)
  + venueCity (optional)
  + venueType (optional)
  + venueAttendanceCharge (optional, repeatable)
  + venueNote (optional)
* performanceDate (required)
* performanceTime (optional)
  + startTime (optional)
  + finishTime (optional)
* performanceEvent (required)
* performanceAttendance (optional)
* performanceSet (optional)
  + setList (required)
    - setArtist (required, repeatable)
      * setArtistRole (required)
    - setSong (optional, repeatable)
      * setSongIdentifier (optional)
      * setSongTitle (required)
      * setSongType (optional)
      * setSongLanguage (optional)
      * setSongNote (optional)
* performanceCapture (optional, repeatable)
  + captureIdentifier (required)
  + captureType (required)
  + captureNote (optional)
  + captureExtension (optional)
* performanceReview (optional, repeatable)
  + reviewIdentifier (required)
  + reviewNote (optional)
  + reviewExtension (optional)
* performancePoster (optional, repeatable)
  + posterIdentifier (required)
  + posterArtist (optional)
  + posterNote (optional)
  + posterExtension (optional)
* performanceNote (optional)

**Elements**

|  |  |  |
| --- | --- | --- |
| **Name:** | **performance** | |
| **Definition:** |  | This is the root element for a valid Performance schema doc. |
| **Constraints:** |  | N/A |
| **Sub-Elements:** |  | All other elements are sub-elements. |
| **Notes:** |  | The root element is not repeatable. A valid xml doc in the Performance schema contains only one record. |
| **Example uses:** |  | N/A |
|  |  |  |
| **Name:** | **performanceArtist** | |
| **Definition:** |  | This element is the wrapper for information about the artist(s) who performed the music at the event. Information about the artist(s) in relation to the event should go in this field. |
| **Constraints:** |  | Requires artistName and artistIdentifier sub-elements. |
| **Sub-Elements:** |  | artistName, artistIdentifier, artistRole |
| **Notes:** |  | This element is required and should only contain information about a single musical act that was involved in the performance event being recorded. Repeatable for musical performances that have more than one artist. |
| **Example uses:** |  | N/A |
|  |  |  |
| **Name:** | **artistName** | |
| **Definition:** |  | A human-readable entry for the name of the artist who performed at the musical event. |
| **Constraints:** |  | Must be a string. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Required element; repeatable. |
| **Example uses:** |  | <artistName>The Beatles</artistName> <artistName>Crosby, Stills, Nash &amp; Young</artistName> <artistName>Marky Mark and the Funky Bunch</artistName> |
|  |  |  |
| **Name:** | **artistIdentifier** | |
| **Definition:** |  | A URI for the artist being referenced by name in artistName. |
| **Constraints:** |  | Must be URI. Recommend use of a controlled vocabulary such as LCNAF or VIAF. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Required element. |
| **Example use:** |  | <artistIdentifier source="LCNAF">http://id.loc.gov/authorities/names/no2012001286</artistIdentifier> <artistIdentifier source="LCNAF">http://id.loc.gov/authorities/names/nr89010407</artistIdentifier> \_ <artistIdentifier source="VIAF">http://viaf.org/viaf/39693090/</artistIdentifier> |
|  |  |  |
| **Name:** | **artistRole** | |
| **Definition:** |  | A description of the artist's role in relation to the event. |
| **Constraints:** |  | Must be string. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Required element; repeatable. |
| **Example use:** |  | <artistRole>headliner</artistRole> <artistRole>opener</artistRole> |
|  |  |  |
| **Name:** | **artistNote** | |
| **Definition:** |  | Field for recording further description of the artist not recorded in other elements. |
| **Constraints:** |  | Must be string. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | <artistNote>For this performance, lineup of band consisted of Kurt Cobain, Krist Novoselic, Dave Grohl and Pat Smear</artistNote> |
|  |  |  |
| **Name:** | **performanceVenue** | |
| **Definition:** |  | This element is the wrapper for information about the venue at which the musical performance was held. |
| **Constraints:** |  | Requires venueIdentifier and venueName sub-elements. |
| **Sub-Elements:** |  | venueIdentifier, venueName, venueCountry, venueState, venueCity, venueType, venueAttendanceCharge |
| **Notes:** |  | Required element. |
| **Example use:** |  | N/A |
|  |  |  |
| **Name:** | **venueIdentifier** | |
| **Definition:** |  | Identifier for the host venue. |
| **Constraints:** |  | Must be a URI. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Required element. |
| **Example use:** |  | <venueIdentifier>http://empirepoloevents.com/</venueIdentifier> <venueIdentifier>https://en.wikipedia.org/wiki/Sapporo\_Dome</venueIdentifier> |
|  |  |  |
| **Name:** | **venueName** | |
| **Definition:** |  | Human-readable name of the venue. |
| **Constraints:** |  | Must be string. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Required element; repeatable. |
| **Example use:** |  | <venueName>Sapporo Dome</venueName> <venueName>Robert S. Whitney Hall</venueName> |
|  |  |  |
| **Name:** | **venueCountry** | |
| **Definition:** |  | Country in which the performance took place. |
| **Constraints:** |  | Should use a controlled vocabulary such as the Getty Thesaurus of Geographic Names (TGN). |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | <venueCountry source="TGN" termID="7012149">United States</venueCountry> |
|  |  |  |
| **Name:** | **venueState** | |
| **Definition:** |  | State in which the performance took place, if applicable. |
| **Constraints:** |  | Should use a controlled vocabulary such as TGN. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | <venueState source="TGN" termID="7007157">California</venueState> |
|  |  |  |
| **Name:** | **venueCity** | |
| **Definition:** |  | City in which the performance took place, if applicable. |
| **Constraints:** |  | Should use a controlled vocabulary such as TGN. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | <venueCity source="TGN" termID="2011877">Indio</venueCity> |
|  |  |  |
| **Name:** | **venueType** | |
| **Definition:** |  | Concise description of the venue at which the musical performance took place. |
| **Constraints:** |  | Must be string. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | <venueType>outdoor event space</venueType> <venueType>stadium</venueType> <venueType>indoor theater</venueType> |
|  |  |  |
| **Name:** | **venueAttendanceCharge** | |
| **Definition:** |  | Concise description of the price of admission to the musical performance. If multiple prices, repeat element. Specify currency in this element, using a controlled vocabulary. |
| **Constraints:** |  | Must be string. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element; repeatable. |
| **Example use:** |  | <venueAttendanceCharge currency="USD">399</venueAttendanceCharge> <venueAttendanceCharge <venueAttendanceCharge currency="JPY">9000</venueAttendanceCharge> |
|  |  |  |
| **Name:** | **venueNote** | |
| **Definition:** |  | Field for recording further description of the venue not recorded in other elements. |
| **Constraints:** |  | N/A |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | <venueNote>this performance was part of 2017 Coachella Valley Music &amp; Arts Festival</venueNote> <venueNote>this venue is general admission</venueNote> |
|  |  |  |
| **Name:** | **performanceDate** | |
| **Definition:** |  | Date of the performance, using format YYYY-MM-DD. |
| **Constraints:** |  | Must be string. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Required element. |
| **Example use:** |  | <performanceDate>2017-04-16</performanceDate> |
|  |  |  |
| **Name:** | **performanceTime** | |
| **Definition:** |  | Wrapper for information on start and end time of the musical performance. |
| **Constraints:** |  | Requires startTime subelement. |
| **Sub-Elements:** |  | startTime, endTime |
| **Notes:** |  | Optional element. |
| **Example use:** |  | N/A |
|  |  |  |
| **Name:** | **startTime** | |
| **Definition:** |  | Time that the musical performance started. |
| **Constraints:** |  | Must be string; use 24-hour clock (ISO 8601). |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | <startTime>20:35</startTime> |
|  |  |  |
| **Name:** | **endTime** | |
| **Definition:** |  | Time that the musical performance ended. |
| **Constraints:** |  | Must be string; use 24-hour clock (ISO 8601). |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | <endTime>00:45</endTime> |
|  |  |  |
| **Name:** | **performanceEvent** | |
| **Definition:** |  | Concise description of the type of musical performance. |
| **Constraints:** |  | Must be string. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Required element. |
| **Example use:** |  | <performanceEvent>concert</performanceEvent> <performanceEvent>music festival</performanceEvent> <performanceEvent>dj set</performanceEvent> |
|  |  |  |
| **Name:** | **performanceAttendance** | |
| **Definition:** |  | The number of attendees at the musical performance, if substantiated by a source. |
| **Constraints:** |  | Must be string. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | <performanceAttendance source="venue" ref="https://www.coachella.com/guidebook/passes/"  >99000</performanceAttendance> |
|  |  |  |
| **Name:** | **performanceSet** | |
| **Definition:** |  | Wrapper for information about the set of songs/pieces performed at the musical performance. |
| **Constraints:** |  | Requires setList sub-element. |
| **Sub-Elements:** |  | setList |
| **Notes:** |  | Optional element. |
| **Example use:** |  | N/A |
|  |  |  |
| **Name:** | **setList** | |
| **Definition:** |  | Wrapper for specific set performed by a single musical act. |
| **Constraints:** |  | Reuires setArtist and setSong sub-elements. |
| **Sub-Elements:** |  | setArtist, setSong |
| **Notes:** |  | Required element; repeatable. |
| **Example use:** |  | N/A |
|  |  |  |
| **Name:** | **setArtist** | |
| **Definition:** |  | Name of the artist to whom the setSong elements pertain. Where possible, using a controlled vocabulary to identify the type of artist is preferred. |
| **Constraints:** |  | Must be string. |
| **Sub-Elements:** |  | setArtistRole |
| **Notes:** |  | Required element; repeatable. |
| **Example use:** |  | <setArtist>Kendrick Lamar</setArtist> <setArtist type="vocalist" source="LOC" termID="no2006109517">Foy Vance</setArtist> |
|  |  |  |
| **Name:** | **setSong** | |
| **Definition:** |  | Wrapper for information on a song performed during the musical performance. Only one song should be described in each wrapper. |
| **Constraints:** |  | Requires setSongTitle sub-element. |
| **Sub-Elements:** |  | setSongIdentifier, setSongTitle, setSongType, setSongLanguage, setSongNote |
| **Notes:** |  | Optional element; repeatable. |
| **Example use:** |  | N/A |
|  |  |  |
| **Name:** | **setSongIdentifier** | |
| **Definition:** |  | URI representing the song performed and being described in the setSong wrapper. When possible, a controlled vocabulary like International Standard Musical Work Code (IWSC) or MusicBrainz Identifier (MBID) is preferred. Though optional, inclusion is strongly preferred. A source should be provided for the URI. |
| **Constraints:** |  | Must be URI. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | <setSongIdentifier source="ISWC">T-916.799.389-7</setSongIdentifier> <setSongIdentifier source="MBID">d181b55b-9499-4627-ab15-97b7241e2b7d</setSongIdentifier> <setSongIdentifier source="Wikipedia">https://en.wikipedia.org/wiki/Goosebumps\_(song)</setSongIdentifier> |
|  |  |  |
| **Name:** | **setSongTitle** | |
| **Definition:** |  | Human-readable name of song performed. |
| **Constraints:** |  | Must be string. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Required element. |
| **Example use:** |  | <setSongTitle>untitled 07 | 2014 - 2016</setSongTitle> <setSongTitle>A Hazy Shade of Winter</setSongTitle> |
|  |  |  |
| **Name:** | **setSongType** | |
| **Definition:** |  | Field for indicating if performed song is original or cover version. |
| **Constraints:** |  | Must be string. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | <setSongType>cover</setSongType> <setSongType>original</setSongType> |
|  |  |  |
| **Name:** | **setSongLanguage** | |
| **Definition:** |  | Field to record language in which performed song was performed. A controlled vocabulary should be used for representing language. |
| **Constraints:** |  | Must be string. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | <setSongLanguage>ita</setSongLanguage> <setSongLanguage>esp</setSongLanguage> <setSongLanguage>eng</setSongLanguage> |
|  |  |  |
| **Name:** | **setSongNote** | |
| **Definition:** |  | Field for recording further description of the song not recorded in other elements. If song is a cover, the original performed of the song should be recorded here. |
| **Constraints:** |  | Must be string. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | <setSongNote>featured a guest appearance from Travis Scott; original performed by Travis Scott</setSongNote> <setSongNote>performance was separated into 3 offical parts, and an encore. This song was preceded by a video package entitled "Kung Fu Kenny Part I"; Live debut; BLOOD. intro</setSongNote> |
|  |  |  |
| **Name:** | **performanceCapture** | |
| **Definition:** |  | Wrapper for information on audio, video or photo captures of the performance. |
| **Constraints:** |  | Requires captureIdentifier and captureType sub-element. |
| **Sub-Elements:** |  | captureIdentifier, captureType, captureNote, captureExtension |
| **Notes:** |  | Optional element; repeatable. |
| **Example use:** |  | N/A |
|  |  |  |
| **Name:** | **captureIdentifier** | |
| **Definition:** |  | URI for the capture described. |
| **Constraints:** |  | Must be URI. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Required element. |
| **Example use:** |  | <captureIdentifier>http://www.mrworldpremiere.tv/?p=5499#sthash.02FW0IVz.Tny74Obf.dpbs</captureIdentifier> <performanceCaptureIdentifier>https://www.youtube.com/watch?v=5cBA9ENfNR8</performanceCaptureIdentifier> |
|  |  |  |
| **Name:** | **captureType** | |
| **Definition:** |  | Description of the type of capture. |
| **Constraints:** |  | Must be string. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Required element. |
| **Example use:** |  | <captureType>audio</captureType> <captureType>video</captureType> |
|  |  |  |
| **Name:** | **captureNote** | |
| **Definition:** |  | Field for recording further description of the capture not recorded in other elements. |
| **Constraints:** |  | Must be string. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | <captureNote>this capture is unofficial, and may not persist</captureNote> |
|  |  |  |
| **Name:** | **captureExtension** | |
| **Definition:** |  | Field in which the Performance schema can be extended to describe the capture of the performance. This field is where other schemas can be inserted to record aspects of the capture not described in the Performance schema. Inserted metadata xml must be valid as a standalone record. |
| **Constraints:** |  | Must be xml. |
| **Sub-Elements:** |  | Vary, depending on the schema employed to extend the description of the capture. |
| **Notes:** |  | Optional element. |
| **Example use:** |  | N/A |
|  |  |  |
| **Name:** | **performanceReview** | |
| **Definition:** |  | Wrapper for recording information on reviews of the live musical performance. |
| **Constraints:** |  | Requires reviewIdentifier sub-element. |
| **Sub-Elements:** |  | posterIdentifier, posterArtist, posterNote, posterExtension |
| **Notes:** |  | Optional element; repeatable. |
| **Example use:** |  | N/A |
|  |  |  |
| **Name:** | **reviewIdentifier** | |
| **Definition:** |  | URI that represents the review of the performance. |
| **Constraints:** |  | Must be a URI. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Required element. |
| **Example use:** |  | <reviewIdentifier>http://www.japantimes.co.jp/culture/2009/04/10/music/concert-previews/simon-garfunkel/#.WP3\_64jys2w</reviewIdentifier> <reviewIdentifier>https://consequenceofsound.net/2017/04/coachella-review-kendrick-lamar-delivers-a-damn-good-performance/</reviewIdentifier> |
|  |  |  |
| **Name:** | **reviewNote** | |
| **Definition:** |  | Field for recording further description of the review not recorded in other elements. |
| **Constraints:** |  | Must be string. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element; repeatable. |
| **Example use:** |  | <reviewNote>reviewed by Scott T. Sterling and Philip Cosores, Consequence of Sound</reviewNote> <reviewNote>reviewed by Bill Brownlee, Kansas City Star</reviewNote> |
|  |  |  |
| **Name:** | **reviewExtension** | |
| **Definition:** |  | Field in which the Performance schema can be extended to describe the performance review. This field is where other schemas can be inserted to record aspects of the capture not described in the Performance schema. Inserted metadata xml must be valid as a standalone record. |
| **Constraints:** |  | Vary, depending on the schema employed to extend the description of the review. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | N/A |
|  |  |  |
| **Name:** | **performancePoster** | |
| **Definition:** |  | Wrapper for recording information on a poster for the live perfomance. |
| **Constraints:** |  | Requires posterIdentifier sub-element. |
| **Sub-Elements:** |  | posterIdentifier, posterArtist, posterNote, posterExtension |
| **Notes:** |  | Optional element; repeatable. |
| **Example use:** |  | N/A |
|  |  |  |
| **Name:** | **posterIdentifier** | |
| **Definition:** |  | URI representing the poster for the performance. |
| **Constraints:** |  | Must be URI. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Required element. |
| **Example use:** |  | <posterIdentifier>https://www.instagram.com/p/BRWwQcOFpNc/</posterIdentifier> <posterIdentifier>https://d2nwmjdyt90ckz.cloudfront.net/images/meta/concert/2016/josh-groban-fb-1200x600.jpg</posterIdentifier> |
|  |  |  |
| **Name:** | **posterArtist** | |
| **Definition:** |  | Name of the artist(s) who created the performance poster. |
| **Constraints:** |  | Must be string |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | <posterArtist>Nate Azark</posterArtist> |
|  |  |  |
| **Name:** | **posterNote** | |
| **Definition:** |  | Field for recording further description of the performance poster not recorded in other elements. |
| **Constraints:** |  | Must be string. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | <performancePosterNote>URI may not persist</performancePosterNote> <posterNote>Starlight Theater poster</posterNote> |
|  |  |  |
| **Name:** | **posterExtension** | |
| **Definition:** |  | Field in which the Performance schema can be extended to describe the performance poster. This field is where other schemas can be inserted to record aspects of the capture not described in the Performance schema. Inserted metadata xml must be valid as a standalone record. |
| **Constraints:** |  | Vary, depending on the schema employed to extend the description of the poster. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | N/A |
|  |  |  |
| **Name:** | **performanceNote** | |
| **Definition:** |  | Field for recording further description of the performance not recorded in other elements. |
| **Constraints:** |  | Must be string. |
| **Sub-Elements:** |  | N/A |
| **Notes:** |  | Optional element. |
| **Example use:** |  | <performanceNote>this performance was part of the Carrie &amp; Lowell tour</performanceNote> <performanceNote>Old Friends Tour</performanceNote> |