

Pitney Bowes[®] Context[™] Weather Scores Product Guide

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Notices

1 – Overview

In this section

Introduction

Product Availability

Null Scores vs. 0.0 Scores

Sunlight Measurement in Alaska

Introduction

Pitney Bowes Context is a comprehensive suite of measured and modeled analytics within specific geographic boundaries, offering a unique view of the makeup, quality, and influence of an area.

Context Weather Scores is a series of climate scores derived from measuring and modeling climate data derived from measuring and modeling climate data over time and across stratified geographies. The Context Weather Scores product provides users with a series of detailed climate scores down to meaningful geographies, such as neighborhoods or ZIP Code boundaries.

Context Weather Scores has three separate categories:

- Temperature
- Precipitation
- Miscellaneous

Product Availability

Context Weather Scores is available with the following Pitney Bowes polygon products:

- Census Minor Civil Divisions (MCDs)
- Census Places
- Neighborhood Boundaries
- +Residential Boundaries
- School Attendance Zone Boundaries
- School District Boundaries
- ZIP Code Boundaries

Context Weather Scores data and geographies are linked by IDs. A universal Context ID links to a polygon ID. The following table illustrates how these IDs map to each other:

Context ID	Polygon ID	Polygon Product File
MID	COSBIDFP	Census Minor Civil Divisions
MID	PLCIDFP	Census Places
MID or OBJ_ID	NID or OBJ_ID	Neighborhood Boundaries
MID or OBJ_ID	NID or OBJ_ID	+Residential Boundaries
MID	MX_ID	School Attendance Zone Boundaries
MID	MX_ID	School District Boundaries
MID	ZIP	ZIP code Boundaries

Null Scores vs. 0.0 Scores

A score of 0.0 indicates that there was not enough data for a particular polygon to receive a score, or that penalties were too high. A null score means that no data was available for that polygon.

Sunlight Measurement in Alaska

In Alaska, the number of clear days + partly cloudy days + cloudy days will not always equal the number of days in a given month because this metric is a measure of sunlight. During some months of the year, some places in Alaska do not receive measurable sunlight for all the days of the month.

2 – Context Weather Scores – Temperature

In this section

File Format

Tile

Context Weather Scores – Temperature Record Layout

File Format

Context Weather Scores – Temperature is delivered as a comma-separated values (.csv) file. **Note: If the CSV file is opened in Excel™, any leading zeroes in fields will be lost.**

Tile

United States

Context Weather Scores – Temperature Record Layout

Seq.	Field	Type (Length)	Description
01	MID	CHAR (*)	Boundary ID (will vary with polygon product).
02	TMAX01	INTEGER	Average maximum temperature (degrees F) for January.
03	TMAX02	INTEGER	Average maximum temperature (degrees F) for February.
04	TMAX03	INTEGER	Average maximum temperature (degrees F) for March.
05	TMAX04	INTEGER	Average maximum temperature (degrees F) for April.
06	TMAX05	INTEGER	Average maximum temperature (degrees F) for May.
07	TMAX06	INTEGER	Average maximum temperature (degrees F) for June.
08	TMAX07	INTEGER	Average maximum temperature (degrees F) for July.
09	TMAX08	INTEGER	Average maximum temperature (degrees F) for August.
10	TMAX09	INTEGER	Average maximum temperature (degrees F) for September.
11	TMAX10	INTEGER	Average maximum temperature (degrees F) for October.
12	TMAX11	INTEGER	Average maximum temperature (degrees F) for November.
13	TMAX12	INTEGER	Average maximum temperature (degrees F) for December.
14	TMAXDJF	INTEGER	Winter seasonal average maximum temperature (degrees F).
15	TMAXMAM	INTEGER	Spring seasonal average maximum temperature (degrees F).
16	TMAXJJA	INTEGER	Summer seasonal average maximum temperature (degrees F).
17	TMAXSON	INTEGER	Autumn average maximum seasonal temperature (degrees F).
18	TMIN01	INTEGER	Average minimum temperature (degrees F) for January.
19	TMIN02	INTEGER	Average minimum temperature (degrees F) for February.

Seq.	Field	Type (Length)	Description
20	TMIN03	INTEGER	Average minimum temperature (degrees F) for March.
21	TMIN04	INTEGER	Average minimum temperature (degrees F) for April.
22	TMIN05	INTEGER	Average minimum temperature (degrees F) for May.
23	TMIN06	INTEGER	Average minimum temperature (degrees F) for June.
24	TMIN07	INTEGER	Average minimum temperature (degrees F) for July.
25	TMIN08	INTEGER	Average minimum temperature (degrees F) for August.
26	TMIN09	INTEGER	Average minimum temperature (degrees F) for September
27	TMIN10	INTEGER	Average minimum temperature (degrees F) for October.
28	TMIN11	INTEGER	Average minimum temperature (degrees F) for November.
29	TMIN12	INTEGER	Average minimum temperature (degrees F) for December.
30	TMINDJF	INTEGER	Winter seasonal average minimum temperature (degrees F).
31	TMINMAM	INTEGER	Spring seasonal average minimum temperature (degrees F).
32	TMINJJA	INTEGER	Summer seasonal average minimum temperature (degrees F).
33	TMINSON	INTEGER	Autumn seasonal average minimum temperature (degrees F).
34	TAVG01	INTEGER	Average temperature (degrees F) for January.
35	TAVG02	INTEGER	Average temperature (degrees F) for February.
36	TAVG03	INTEGER	Average temperature (degrees F) for March.
37	TAVG04	INTEGER	Average temperature (degrees F) for April.
38	TAVG05	INTEGER	Average temperature (degrees F) for May.
39	TAVG06	INTEGER	Average temperature (degrees F) for June.
40	TAVG07	INTEGER	Average temperature (degrees F) for July.
41	TAVG08	INTEGER	Average temperature (degrees F) for August.
42	TAVG09	INTEGER	Average temperature (degrees F) for September.
43	TAVG10	INTEGER	Average temperature (degrees F) for October.
44	TAVG11	INTEGER	Average temperature (degrees F) for November.

Seq.	Field	Type (Length)	Description
45	TAVG12	INTEGER	Average temperature (degrees F) for December.
46	TAVGDJF	INTEGER	Winter seasonal average temperature (degrees F).
47	TAVGMAM	INTEGER	Spring seasonal average temperature (degrees F).
48	TAVGJJA	INTEGER	Summer seasonal average temperature (degrees F).
49	TAVGSON	INTEGER	Autumn seasonal average temperature (degrees F).
50	TDEW01	INTEGER	Average dew point (degrees F) for January.
51	TDEW02	INTEGER	Average dew point (degrees F) for February.
52	TDEW03	INTEGER	Average dew point (degrees F) for March.
53	TDEW04	INTEGER	Average dew point (degrees F) for April.
54	TDEW05	INTEGER	Average dew point (degrees F) for May.
55	TDEW06	INTEGER	Average dew point (degrees F) for June.
56	TDEW07	INTEGER	Average dew point (degrees F) for July.
57	TDEW08	INTEGER	Average dew point (degrees F) for August.
58	TDEW09	INTEGER	Average dew point (degrees F) for September.
59	TDEW10	INTEGER	Average dew point (degrees F) for October.
60	TDEW11	INTEGER	Average dew point (degrees F) for November.
61	TDEW12	INTEGER	Average dew point (degrees F) for December.
62	TDEWDJF	INTEGER	Winter seasonal average dew point (degrees F).
63	TDEWMAM	INTEGER	Spring seasonal average dew point (degrees F).
64	TDEWJJA	INTEGER	Summer seasonal average dew point (degrees F).
65	TDEWSON	INTEGER	Autumn seasonal average dew point (degrees F).
66	TVAR01	INTEGER	Average daily temperature variance (degrees F) for January.
67	TVAR02	INTEGER	Average daily temperature variance (degrees F) for February.
68	TVAR03	INTEGER	Average daily temperature variance (degrees F) for March.
69	TVAR04	INTEGER	Average daily temperature variance (degrees F) for April.
70	TVAR05	INTEGER	Average daily temperature variance (degrees F) for May.

Seq.	Field	Type (Length)	Description
71	TVAR06	INTEGER	Average daily temperature variance (degrees F) for June.
72	TVAR07	INTEGER	Average daily temperature variance (degrees F) for July.
73	TVAR08	INTEGER	Average daily temperature variance (degrees F) for August.
74	TVAR09	INTEGER	Average daily temperature variance (degrees F) for September.
75	TVAR10	INTEGER	Average daily temperature variance (degrees F) for October.
76	TVAR11	INTEGER	Average daily temperature variance (degrees F) for November.
77	TVAR12	INTEGER	Average daily temperature variance (degrees F) for December.
78	TWARDJF	INTEGER	Winter seasonal average temperature variance (degrees F).
79	TVARMAM	INTEGER	Spring seasonal average temperature variance (degree F).
80	TVARJJA	INTEGER	Summer seasonal average temperature variance (degree F).
81	TVARSON	INTEGER	Autumn seasonal average temperature variance (degrees F).
82	CXT_RELVER or CXTRELDATE	CHAR (7)	Context Weather Scores version.
83	RELVER or RELDATE	CHAR (6) or CHAR (8)	Boundary product version.

3 – Context Weather Scores – Precipitation

In this section

File Format

Tile

Context Weather Scores – Precipitation Record Layout

File Format

Context Weather Scores – Precipitation is delivered as a comma-separated values (.csv) file. **Note:** If the CSV file is opened in Excel™, any leading zeroes in fields will be lost.

Tile

United States

Context Weather Scores – Precipitation Record Layout

Seq.	Field	Type (Length)	Description
01	MID	CHAR (*)	Boundary ID (will vary with polygon product).
02	PRECIP01	FLOAT	Average precipitation (inches) for January.
03	PRECIP02	FLOAT	Average precipitation (inches) for February.
04	PRECIP03	FLOAT	Average precipitation (inches) for March.
05	PRECIP04	FLOAT	Average precipitation (inches) for April.
06	PRECIP05	FLOAT	Average precipitation (inches) for May.
07	PRECIP06	FLOAT	Average precipitation (inches) for June.
08	PRECIP07	FLOAT	Average precipitation (inches) for July.
09	PRECIP08	FLOAT	Average precipitation (inches) for August.
10	PRECIP09	FLOAT	Average precipitation (inches) for September.
11	PRECIP10	FLOAT	Average precipitation (inches) for October.
12	PRECIP11	FLOAT	Average precipitation (inches) for November.
13	PRECIP12	FLOAT	Average precipitation (inches) for December.
14	PRECIPDJF	FLOAT	Winter seasonal average precipitation (inches).
15	PRECIPMAM	FLOAT	Spring seasonal average precipitation (inches).
16	PRECIPJJA	FLOAT	Summer seasonal average precipitation (inches).
17	PRECIPSON	FLOAT	Autumn seasonal average precipitation (inches).
18	PRECIPYR	FLOAT	Annual average precipitation (inches).
19	SNOW01	FLOAT	Average snowfall (inches) for January.
20	SNOW02	FLOAT	Average snowfall (inches) for February.
21	SNOW03	FLOAT	Average snowfall (inches) for March.
22	SNOW04	FLOAT	Average snowfall (inches) for April.
23	SNOW05	FLOAT	Average snowfall (inches) for May.
24	SNOW06	FLOAT	Average snowfall (inches) for June.

Seq.	Field	Type (Length)	Description
25	SNOW07	FLOAT	Average snowfall (inches) for July.
26	SNOW08	FLOAT	Average snowfall (inches) for August.
27	SNOW09	FLOAT	Average snowfall (inches) for September.
28	SNOW10	FLOAT	Average snowfall (inches) for October.
29	SNOW11	FLOAT	Average snowfall (inches) for November.
30	SNOW12	FLOAT	Average snowfall (inches) for December.
31	SNOWDJF	FLOAT	Winter seasonal average snowfall (inches).
32	SNOWMAM	FLOAT	Spring seasonal average snowfall (inches).
33	SNOWJJA	FLOAT	Summer seasonal average snowfall (inches).
34	SNOWSON	FLOAT	Autumn seasonal average snowfall (inches).
35	SNOWYR	FLOAT	Annual average snowfall (inches).
36	WNDSPD01	INTEGER	Average wind speed (MPH) for January.
37	WNDSPD02	INTEGER	Average wind speed (MPH) for February.
39	WNDSPD03	INTEGER	Average wind speed (MPH) for March.
39	WNDSPD04	INTEGER	Average wind speed (MPH) for April.
40	WNDSPD05	INTEGER	Average wind speed (MPH) for May.
41	WNDSPD06	INTEGER	Average wind speed (MPH) for June.
42	WNDSPD07	INTEGER	Average wind speed (MPH) for July.
43	WNDSPD08	INTEGER	Average wind speed (MPH) for August.
44	WNDSPD09	INTEGER	Average wind speed (MPH) for September.
45	WNDSPD10	INTEGER	Average wind speed (MPH) for October.
46	WNDSPD11	INTEGER	Average wind speed (MPH) for November.
47	WNDSPD12	INTEGER	Average wind speed (MPH) for December.
48	DCLEAR01	INTEGER	Average clear days for January.
49	DCLEAR02	INTEGER	Average clear days for February.
50	DCLEAR03	INTEGER	Average clear days for March.
51	DCLEAR04	INTEGER	Average clear days for April.
52	DCLEAR05	INTEGER	Average clear days for May.
53	DCLEAR06	INTEGER	Average clear days for June.
54	DCLEAR07	INTEGER	Average clear days for July.
55	DCLEAR08	INTEGER	Average clear days for August.
56	DCLEAR09	INTEGER	Average clear days for September.
57	DCLEAR10	INTEGER	Average clear days for October.
58	DCLEAR11	INTEGER	Average clear days for November.
59	DCLEAR12	INTEGER	Average clear days for December.

Seq.	Field	Type (Length)	Description
60	DCLEARDJF	INTEGER	Percent winter seasonal average clear days.
61	DCLEARMAM	INTEGER	Percent spring seasonal average clear days.
62	DCLEARJJA	INTEGER	Percent summer seasonal average clear days.
63	DCLEARSON	INTEGER	Percent autumn seasonal average clear days.
64	DCLEARYR	INTEGER	Percent annual average clear days.
65	DPCLDY01	INTEGER	Average partly cloudy days for January.
66	DPCLDY02	INTEGER	Average partly cloudy days for February.
67	DPCLDY03	INTEGER	Average partly cloudy days for March.
68	DPCLDY04	INTEGER	Average partly cloudy days for April.
69	DPCLDY05	INTEGER	Average partly cloudy days for May.
70	DPCLDY06	INTEGER	Average partly cloudy days for June.
71	DPCLDY07	INTEGER	Average partly cloudy days for July.
72	DPCLDY08	INTEGER	Average partly cloudy days for August.
73	DPCLDY09	INTEGER	Average partly cloudy days for September.
74	DPCLDY10	INTEGER	Average partly cloudy days for October.
75	DPCLDY11	INTEGER	Average partly cloudy days for November.
76	DPCLDY12	INTEGER	Average partly cloudy days for December.
77	DPCLYDDJF	INTEGER	Percent winter seasonal average partly cloudy days.
78	DPCLDYMAM	INTEGER	Percent spring seasonal average partly cloudy days.
79	DPCLDYJJA	INTEGER	Percent summer seasonal average partly cloudy days.
80	DPCLDYSON	INTEGER	Percent autumn seasonal average partly cloudy days.
81	DPCLDYR	INTEGER	Percent annual average partly cloudy days.
82	DCLDY01	INTEGER	Average cloudy days for January.
83	DCLDY02	INTEGER	Average cloudy days for February.
84	DCLDY03	INTEGER	Average cloudy days for March.
85	DCLDY04	INTEGER	Average cloudy days for April.
86	DCLDY05	INTEGER	Average cloudy days for May.
87	DCLDY06	INTEGER	Average cloudy days for June.
88	DCLDY07	INTEGER	Average cloudy days for July.
89	DCLDY08	INTEGER	Average cloudy days for August.
90	DCLDY09	INTEGER	Average cloudy days for September.
91	DCLDY10	INTEGER	Average cloudy days for October.
92	DCLDY11	INTEGER	Average cloudy days for November.

Seq.	Field	Type (Length)	Description
93	DCLDY12	INTEGER	Average cloudy days for December.
94	DCLDYDJF	INTEGER	Percent winter seasonal average cloudy days.
95	DCLDYMAM	INTEGER	Percent spring seasonal average cloudy days.
96	DCLDYJJA	INTEGER	Percent summer seasonal average cloudy days.
97	DCLDYSON	INTEGER	Percent autumn seasonal average cloud days.
98	DCLDYR	INTEGER	Percent annual average cloudy days.
99	CXT_RELVER or CXTRELDATE	CHAR (7)	Context Weather Scores version.
100	RELVER or RELDATE	CHAR (6) or CHAR (8)	Boundary product version.

4 – Context Weather Scores – Miscellaneous

In this section

File Format

Tile

Context Weather Scores – Miscellaneous Record Layout

File Format

Context Weather Scores – Miscellaneous is delivered as a comma-separated values (.csv) file. **Note:** If the CSV file is opened in Excel™, any leading zeroes in fields will be lost.

Tile

United States

Context Weather Scores – Miscellaneous Record Layout

Seq.	Field	Type (Length)	Description
01	MID	CHAR (*)	Boundary ID (varies with polygon product).
02	KGVAL	CHAR (4)	Köppen–Geiger climate value.
03	KGDESC	CHAR (75)	Köppen–Geiger climate description.
04	WINDCH01	INTEGER	Average wind chill (degrees F) for January.
05	WINDCH02	INTEGER	Average wind chill (degrees F) for February.
06	WINDCH03	INTEGER	Average wind chill (degrees F) for March.
07	WINDCH04	INTEGER	Average wind chill (degrees F) for April.
08	WINDCH05	INTEGER	Average wind chill (degrees F) for May.
09	WINDCH06	INTEGER	Average wind chill (degrees F) for June.
10	WINDCH07	INTEGER	Average wind chill (degrees F) for July.
11	WINDCH08	INTEGER	Average wind chill (degrees F) for August.
12	WINDCH09	INTEGER	Average wind chill (degrees F) for September.
13	WINDCH10	INTEGER	Average wind chill (degrees F) for October.
14	WINDCH11	INTEGER	Average wind chill (degrees F) for November.
15	WINDCH12	INTEGER	Average wind chill (degrees F) for December.
16	WCHMIN01	INTEGER	Minimum average wind chill (degrees F) for January.
17	WCHMIN02	INTEGER	Minimum average wind chill (degrees F) for February.
18	WCHMIN03	INTEGER	Minimum average wind chill (degrees F) for March.
19	WCHMIN04	INTEGER	Minimum average wind chill (degrees F) for April.
20	WCHMIN05	INTEGER	Minimum average wind chill (degrees F) for May.
21	WCHMIN06	INTEGER	Minimum average wind chill (degrees F) for June.

Seq.	Field	Type (Length)	Description
22	WCHMIN07	INTEGER	Minimum average wind chill (degrees F) for July.
23	WCHMIN08	INTEGER	Minimum average wind chill (degrees F) for August.
24	WCHMIN09	INTEGER	Minimum average wind chill (degrees F) for September.
25	WCHMIN10	INTEGER	Minimum average wind chill (degrees F) for October.
26	WCHMIN11	INTEGER	Minimum average wind chill (degrees F) for November.
27	WCHMIN12	INTEGER	Minimum average wind chill (degrees F) for December.
28	RELHUM01	INTEGER	Average relative humidity for January.
29	RELHUM02	INTEGER	Average relative humidity for February.
30	RELHUM03	INTEGER	Average relative humidity for March.
31	RELHUM04	INTEGER	Average relative humidity for April.
32	RELHUM05	INTEGER	Average relative humidity for May.
33	RELHUM06	INTEGER	Average relative humidity for June.
34	RELHUM07	INTEGER	Average relative humidity for July.
35	RELHUM08	INTEGER	Average relative humidity for August.
36	RELHUM09	INTEGER	Average relative humidity for September.
37	RELHUM10	INTEGER	Average relative humidity for October.
38	RELHUM11	INTEGER	Average relative humidity for November.
39	RELHUM12	INTEGER	Average relative humidity for December.
40	HEATIX01	INTEGER	Average heat index for January.
41	HEATIX02	INTEGER	Average heat index for February.
42	HEATIX03	INTEGER	Average heat index for March.
43	HEATIX04	INTEGER	Average heat index for April.
44	HEATIX05	INTEGER	Average heat index for May.
45	HEATIX06	INTEGER	Average heat index for June.
46	HEATIX07	INTEGER	Average heat index for July.
47	HEATIX08	INTEGER	Average heat index for August.
48	HEATIX09	INTEGER	Average heat index for September.
49	HEATIX10	INTEGER	Average heat index for October.
50	HEATIX11	INTEGER	Average heat index for November.
51	HEATIX12	INTEGER	Average heat index for December.
52	HTXMAX01	INTEGER	Average maximum heat index for January.
53	HTXMAX02	INTEGER	Average maximum heat index for February.
54	HTXMAX03	INTEGER	Average maximum heat index for March.

Seq.	Field	Type (Length)	Description
55	HTXMAX04	INTEGER	Average maximum heat index for April.
56	HTXMAX05	INTEGER	Average maximum heat index for May.
57	HTXMAX06	INTEGER	Average maximum heat index for June.
58	HTXMAX07	INTEGER	Average maximum heat index for July.
59	HTXMAX08	INTEGER	Average maximum heat index for August.
60	HTXMAX09	INTEGER	Average maximum heat index for September.
61	HTXMAX10	INTEGER	Average maximum heat index for October.
62	HTXMAX11	INTEGER	Average maximum heat index for November.
63	HTXMAX12	INTEGER	Average maximum heat index for December.
64	HDD01	INTEGER	Average heating degree days for January.
65	HDD02	INTEGER	Average heating degree days for February.
66	HDD03	INTEGER	Average heating degree days for March.
67	HDD04	INTEGER	Average heating degree days for April.
68	HDD05	INTEGER	Average heating degree days for May.
69	HDD06	INTEGER	Average heating degree days for June.
70	HDD07	INTEGER	Average heating degree days for July.
71	HDD08	INTEGER	Average heating degree days for August.
72	HDD09	INTEGER	Average heating degree days for September.
73	HDD10	INTEGER	Average heating degree days for October.
74	HDD11	INTEGER	Average heating degree days for November.
75	HDD12	INTEGER	Average heating degree days for December.
76	HDDDJF	INTEGER	Winter seasonal average heating degree days.
77	HDDMAM	INTEGER	Spring seasonal average heating degree days.
78	HDDJJA	INTEGER	Summer seasonal average heating degree days.
79	HDDSON	INTEGER	Autumn seasonal average heating degree days.
80	HDDYR	INTEGER	Annual heating degree days.
81	CDD01	INTEGER	Average cooling degree days for January.
82	CDD02	INTEGER	Average cooling degree days for February.
83	CDD03	INTEGER	Average cooling degree days for March.

Seq.	Field	Type (Length)	Description
84	CDD04	INTEGER	Average cooling degree days for April.
85	CDD05	INTEGER	Average cooling degree days for May.
86	CDD06	INTEGER	Average cooling degree days for June.
87	CDD07	INTEGER	Average cooling degree days for July.
88	CDD08	INTEGER	Average cooling degree days for August.
89	CDD09	INTEGER	Average cooling degree days for September.
90	CDD10	INTEGER	Average cooling degree days for October.
91	CDD11	INTEGER	Average cooling degree days for November.
92	CDD12	INTEGER	Average cooling degree days for December.
93	CDDDJF	INTEGER	Winter seasonal average cooling degree days.
94	CDDMAM	INTEGER	Spring seasonal average cooling degree days.
95	CDDJJA	INTEGER	Summer seasonal average cooling degree days.
96	CDDSON	INTEGER	Autumn seasonal average cooling degree days.
97	CDDYR	INTEGER	Annual cooling degree days.
98	CXT_RELVER or CXTRELDATE	CHAR (7)	Context Weather Scores version.
99	RELVER or RELDATE	CHAR (6) or CHAR (8)	Boundary product version.

Feedback and Technical Support

Pitney Bowes welcomes your feedback to help us continue to improve this product. As a licensee of Pitney Bowes data, you are welcome to use the Pitney Bowes® Feedback Platform, which allows you to input updates, suggestions, and corrections. This input will be reviewed by our production teams and utilized as appropriate for product maintenance, with the results being communicated back to you.

Please register to use the Pitney Bowes Feedback Platform by visiting <http://feedback.maponics.com>.

To learn how Pitney Bowes Location Intelligence products and solutions can support your business, please visit <http://www.pitneybowes.com/us/location-intelligence.html>.

Technical Support

If you have any questions or concerns, you may contact our support team directly by calling **800 762 5158** or by emailing software.support@pb.com.

Notices

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