Kaufman County
Water Supply Planning Information & Resources

This document summarizes key water supply planning information for Kaufman County and highlights planning and drought resources available from the Texas Water Development Board (TWDB). This document was developed to support regional water planning group outreach efforts aimed at improving engagement with small and rural entities.

All water utilities in the state are strongly encouraged to participate in the regional water planning process and utilize TWDB resources to ensure sufficient water supplies are available for all Texans in times of drought.

Definitions of common regional water planning terms and acronyms are available at this link.

Future Water Supply Plans

Region C Regional Water Planning

Kaufman County is located in the Region C Regional Water Planning Area, which encompasses all or parts of 16 counties in north Texas (Figure 1). The Region C Regional Water Planning Group is responsible for developing a regional water plan every five years based on conditions that the region would face under a recurrence of a historical drought of record. The results of the regional water plan are included in the state water plan and inform state financial assistance and surface water right permitting decisions. The 2026 plan is currently under development and due to the TWDB in October 2025.

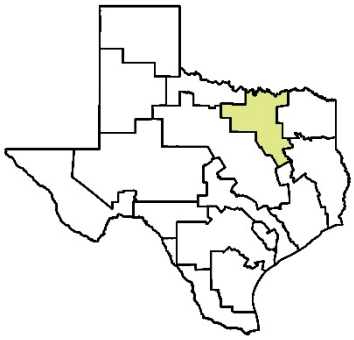


Figure 1 – Region C Regional Water Planning Area

Public involvement is a key component to regional water planning. To ensure your water needs are accurately reflected in the 2026 plan, get involved in Region C water planning by visiting https://regioncwater.org/ or contact the Trinity River Authority at longas@trinityra.org, 817-467-4343.

2021 Region C Regional Water Plan

The 2021 Region C Regional Water Plan is available at http://www.twdb.texas.gov/waterplanning/rwp/plans/2021/index.asp.

The following highlights from the plan are included in Attachment 1

- Table A1 summarizes current water supply sources, 2020 and 2070 water supply needs, and recommended water management strategies for water user groups in Kaufman County.
- Table A2 provides additional context on the severity of the identified water supply needs by expressing the needs as a percentage of each water user group's total demand. The larger the percent of an entity's total demand, the more severe a potential shortage may be.
- Table A3 presents unmet needs that remain even if all the recommended strategies in the plan were implemented.

Water Providers in Kaufman County

Municipal Water User Groups

Public water systems provide potable water for public use and have at least 15 service connections or serve at least 25 individuals at least 60 days out of the year. Public water systems that provide more than 100 acre-feet of water per year for municipal use are considered municipal water user groups and are individually planned for in the regional water planning process. Note that some municipal water user groups include more than one public water system. Table 1 lists the Kaufman County municipal water user groups for the 2026 regional water plan and associated public water systems that are located in the county.

Table 1. Kaufman County municipal water user groups and associated public water systems

Water User Group	Associated Public Water Systems(s)
Ables Springs SUD*	ABLES SPRINGS SUD (TX1290010)[R]
Becker Jiba WSC	BECKER JIBA WSC (TX1290011)[R]
College Mound SUD	COLLEGE MOUND SUD (TX1290012)[R]
Combine WSC*	COMBINE WSC (TX0570039)[R]
Crandall	CITY OF CRANDALL (TX1290007)[R]
Elmo WSC	ELMO WSC (TX1290013)[R]
Forney	CITY OF FORNEY (TX1290002)
Forney Lake WSC	FORNEY LAKE WSC (TX1290014)
Gastonia Scurry SUD	GASTONIA SCURRY SUD (TX1290015)[R]
Heath*	CITY OF HEATH (TX1990014)[R]
High Point WSC*	HIGH POINT WATER SUPPLY CORPORATION (TX1290016)[R]
Kaufman	CITY OF KAUFMAN (TX1290003)[R]
Kaufman County Development District 1	KAUFMAN COUNTY FWSD 1A (TX1290043)[R]
Kaufman County MUD 11	KAUFMAN COUNTY MUD 11 (TX1290046)[R]
Kaufman County MUD 14	KAUFMAN COUNTY MUD 14 (TX1290053)
Kemp	CITY OF KEMP (TX1290004)[R]
Mabank*	CITY OF MABANK (TX1290005)[R]
MacBee SUD*	MACBEE SUD (TX2340012)[R]
Markout WSC	MARKOUT WSC (TX1290019)
North Kaufman WSC	NORTH KAUFMAN WSC (TX1290021)[R]
Poetry WSC*	POETRY WSC (TX1290022)[R]
Rose Hill SUD	ROSE HILL SUD (TX1290023)[R]
Talty SUD	TALTY SUD (TX1290025)[R]
Terrell	CITY OF TERRELL (TX1290006)
West Cedar Creek MUD*	WEST CEDAR CREEK MUD (TX1070190)[R]

[R] *Public water system meets the definition of a rural political subdivision as defined in Texas Water Code 15.001(14).*
* *Water user group is split by more than one county. Public water systems associated with the water user group and located in Kaufman County are shown.*

County-Other Water Systems

County-other water systems are a subset of public water systems that provide on average less than 100 acre-feet of water per year for municipal use. For TWDB planning purposes, the following systems will be grouped

together and planned for under the County-Other, Kaufman water user group category in the 2026 regional water plan:

- COUNTRY CLUB WSC (TX1290038)[R]
- LAWRENCE WSC (TX1290018)[R]**
- OAK GROVE TEXAS WSC (TX1290027)[R]
- SOUTHEAST KAUFMAN WSC (TX1290042)

[R] *Public water system meets the definition of a rural political subdivision as defined in Texas Water Code 15.001(14).*
** *Current records show that the public water system did not submit a water use survey response in 2023.*

Status of Water Systems and Supply

This section highlights potentially vulnerable water systems in Kaufman County that serve a population of 7,500 or less and rely on a single water source and systems that have recently reported having 180 days or less of available supply.

Entities that are identified as 7,500 / sole source

The following entities were identified in the 2021 Region C Regional Water Plan as having a 2010 population less than 7,500 and relying on a sole source for their water supply regardless of whether that water is provided by a wholesale water provider. These entities are highlighted since they may be more vulnerable in times of drought or in the event of a loss of water supply.

- Kemp

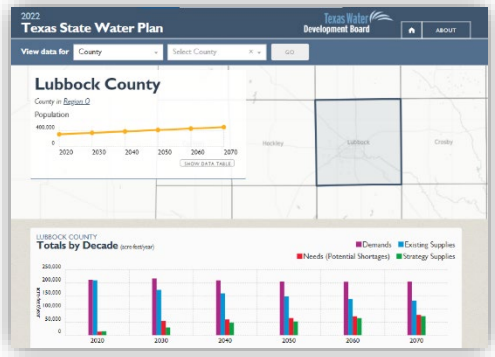
The 2021 Region C Regional Water Plan presents potential emergency response options for entities with populations less than 7,500 that rely on a sole source and county-other water user groups in the region. Emergency response options could potentially include addition of a local groundwater well, trucking in water, importing supply from a nearby entity, or utilizing existing emergency interconnects. For the temporary emergency response options identified for entities in Kaufman County, see Chapter 7 of the 2021 Region C Regional Water Plan.

180-day Priority List occurrences

Retail public utilities are required by the Texas Commission on Environmental Quality (TCEQ) to report when the utility is reasonably certain that its water supply will be available for less than 180 days. Between January 2016 and November 2023, no public water systems in Kaufman County reported having approximately 180 days or less of water supply remaining.

Key TWDB Resources for Water Planning & Drought

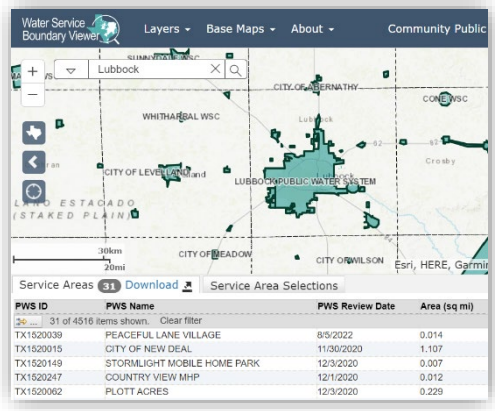
Interactive State Water Plan



The online Interactive State Water Plan provides access to detailed planning data presented at varying geographic levels, through maps, tables, and additional graphics. Users can customize what they see, for example, by selecting data associated with a specific water use category or from a specific planning decade. The displayed data is also downloadable in a spreadsheet format.

To explore detailed planning data for Kaufman County in the Interactive State Water Plan, visit https://texasstatewaterplan.org/.

Texas Water Service Boundary Viewer



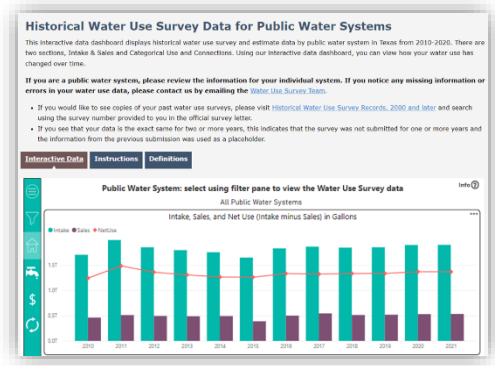
The Texas Water Service Boundary Viewer (TWSBV) is a public water system service area mapping application that strives to provide the most up-to-date and best data available on the service areas for all community public water systems within Texas. The TWSBV also provides links to supplemental public water system information, including system specific data from the Drinking Water Watch (maintained by the TCEQ) as well as water use survey information.

The application is used to collect accurate retail water service boundaries to better estimate and project utility population and rural population not served by a system for the regional and state water plans.

Water systems are encouraged to use the application to verify that their service area boundaries on file are accurate and update them if changes have occurred. Information for editors (utilities) is available at: http://bit.ly/ServiceBoundaryEditor.

The public can view water system areas on file at https://www2.twdb.texas.gov/apps/WaterServiceBoundaries.

Water Use Survey



The TWDB is legislatively directed to provide planning and financial assistance for the development and management of water resources in Texas. This activity is dependent upon the accuracy and completeness of the information that water users provide in the annual Water Use Survey.

The TWDB annually collects and maintains information concerning current state water use in various reports accessible here: https://www.twdb.texas.gov/waterplanning/waterusesurvey/estimates

TWDB Water Loss Resources

Reducing water loss offers utilities the ability to increase their water use efficiency, improve their financial status, and assist with long-term water sustainability. Currently, all retail public water systems with more than 3,300 connections or a financial obligation to TWDB are required to annually complete and submit a Water Loss Audit. All other retail public water suppliers are required to submit a water loss audit to the TWDB every five years. Water loss audits are required to be submitted by an individual trained in water loss auditing.

Water loss audits help determine the appropriate actions for water loss control but, only if the water loss audit data is validated. Starting in 2025, a Water Loss Audit is required to be validated if the utility has an existing financial obligation to TWDB or is applying financial assistance from TWDB. Visit the TWDB Water Loss Audit Validation webpage for more information.

TWDB staff are available to provide water loss audit assistance and work with utility staff to better understand how water loss audits can benefit their utility. For more information on leak detection, how to collect and report accurate data, and data validation, visit https://www.twdb.texas.gov/conservation/municipal/waterloss/.

TWDB Drought Resources

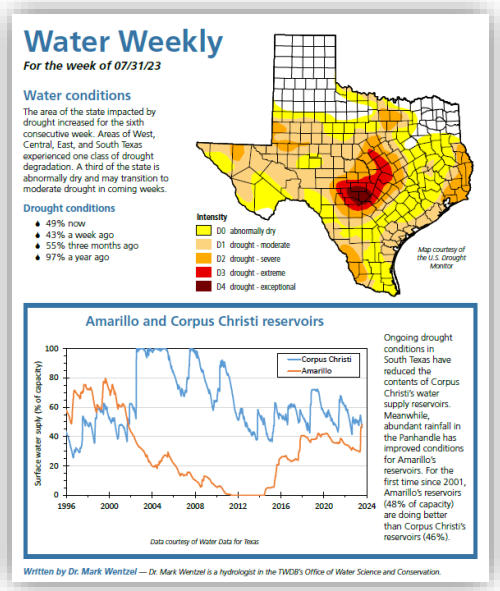
The TWDB offers a variety of resources to assist Texans with drought response and preparedness on the TWDB Drought Resources webpage, including

Water Data for Texas: Water Data for Texas provides information on reservoir storage levels, lake evaporation and precipitation, and water levels at the automated groundwater level wells among other types of information.

Drought Dashboard: The TWDB's drought dashboard provides information on conditions across the state, including rainfall, temperature, streamflow, and soil moisture as well as various drought indices and U.S. Drought Monitor status.

Water Weekly: Water weekly provides a weekly summary of drought conditions across the state.

Texas Water Conditions Report: Report provides a monthly summary of the state's drought and water conditions.



TWDB Financial Assistance Programs

The TWDB offers a variety of cost-effective loan and grant programs that provide for the planning, acquisition, design, and construction of water related infrastructure and other water quality improvements. Urgent need funding is available through the Drinking Water State Revolving Fund to assists communities with addressing unforeseen situations that require immediate attention to protect public health and safety.

For more information about TWDB financial assistance programs, visit http://www.twdb.texas.gov/financial/, or contact TWDB at 512-463-0991, Financial_Assistance@twdb.texas.gov.

Texas Division of Emergency Management (TDEM)

The TDEM coordinates the state emergency management program, which is intended to ensure the state and its local governments respond to and recover from emergencies and disasters and implement plans and programs to help prevent or lessen the impact of emergencies and disasters. The chief of TDEM is the state drought manager and is responsible for managing and coordinating the drought response component of the state water plan. For more information, visit https://www.tdem.texas.gov/ or contact 512-424-2208.

Texas Commission on Environmental Quality (TCEQ)

The TCEQ provides hands-on assistance to communities responding to drought, consults with public water systems about implementing drought contingency plans, tracks public drinking water systems under water-use restrictions, actively manages water in Watermaster Programs, answers the public drought-information hot line: 800-447-2827, and offers drought information on its website: https://www.tceq.texas.gov/response/drought.

In the event of a drinking water emergency, contact your TCEQ regional office. For after-hours emergencies, call 1-888-777-3186.

Attachment 1 – 2021 Region C Regional Water Plan Summary Tables

Table A1. Kaufman County planning summary

Water User Group	Current Water Supply Sources	2020 Water Need (acre-feet/year)	2070 Water Need (acre-feet/year)	Recommended Water Management Strategies
Ables Springs WSC*	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	2	507	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Becker Jiba WSC	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	2	516	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
College Mound WSC	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	4	1,395	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Combine WSC*	Fork Lake/Reservoir; Indirect Reuse; Ray Hubbard Lake/Reservoir; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; Tawakoni Lake/Reservoir	25	336	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
County-Other, Kaufman	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir; TRWD Lake/Reservoir System	0	1,418	Aquifer storage and recovery; Groundwater wells and other; Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Crandall	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	158	776	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Elmo WSC	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	1	325	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Forney	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	18	5,661	Indirect reuse; Municipal conservation; New major reservoir; Other surface water

Water User Group	Current Water Supply Sources	2020 Water Need (acre-feet/year)	2070 Water Need (acre-feet/year)	Recommended Water Management Strategies
Forney Lake WSC*	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	7	2,248	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Gastonia Scurry SUD	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	4	1,467	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
High Point WSC*	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	2	610	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Irrigation, Kaufman	Direct Reuse; Nacatoch Aquifer; Ray Hubbard Lake/Reservoir; Trinity Run-of-River; TRWD Lake/Reservoir System	0	0	Aquifer storage and recovery; Groundwater wells and other; Indirect reuse; New major reservoir; Other surface water
Kaufman	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	7	1,911	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Kaufman County Development District 1	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	5	1,396	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Kaufman County MUD 11	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	4	671	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Kemp	TRWD Lake/Reservoir System	189	1,058	Aquifer storage and recovery; Groundwater wells and other; Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Livestock, Kaufman	Nacatoch Aquifer; Sabine Livestock Local Supply; Trinity Livestock Local Supply	0	0	None

Water User Group	Current Water Supply Sources	2020 Water Need (acre-feet/year)	2070 Water Need (acre-feet/year)	Recommended Water Management Strategies
Mabank*	TRWD Lake/Reservoir System	706	4,735	Aquifer storage and recovery; Groundwater wells and other; Indirect reuse; Municipal conservation; New major reservoir; Other surface water
MacBee SUD*	Carrizo-Wilcox Aquifer; Tawakoni Lake/Reservoir	0	0	Municipal conservation
Manufacturing, Kaufman	Fork Lake/Reservoir; Indirect Reuse; Nacatoch Aquifer; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	0	362	Indirect reuse; New major reservoir; Other surface water
Markout WSC	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	107	1,242	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Mesquite*	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	121	13,672	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Mining, Kaufman	Nacatoch Aquifer; Trinity Other Local Supply	0	275	Groundwater wells and other
North Kaufman WSC	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	1	310	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Poetry WSC*	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	0	510	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Rose Hill SUD	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	2	651	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Seagoville*	Fork Lake/Reservoir; Indirect Reuse; Ray Hubbard Lake/Reservoir; Ray Roberts-Lewisville-Grapevine Lake/Reservoir System; Tawakoni Lake/Reservoir	149	1,783	Indirect reuse; Municipal conservation; New major reservoir; Other surface water

Water User Group	Current Water Supply Sources	2020 Water Need (acre-feet/year)	2070 Water Need (acre-feet/year)	Recommended Water Management Strategies
Steam-Electric Power, Kaufman	Direct Reuse; Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	6	466	Indirect reuse; New major reservoir; Other surface water
Talty SUD	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	10	2,637	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
Terrell	Fork Lake/Reservoir; Indirect Reuse; North Texas MWD Lake/Reservoir System; Tawakoni Lake/Reservoir	23	10,327	Indirect reuse; Municipal conservation; New major reservoir; Other surface water
West Cedar Creek MUD*	TRWD Lake/Reservoir System	0	862	Aquifer storage and recovery; Groundwater wells and other; Indirect reuse; Municipal conservation; New major reservoir; Other surface water

* Water user group is split by more than one county. Table presents the water user group's total summary data for all related counties.

Table A2. Kaufman County projected needs of every water user group, as a share of total demand (percent)

Water User Group	2020	2030	2040	2050	2060	2070
Ables Springs WSC*	1	16	22	29	36	41
Becker Jiba WSC	1	15	22	29	36	42
College Mound WSC	1	15	23	33	45	52
Combine WSC*	7	20	29	35	39	43
County-Other, Kaufman	-	16	22	29	38	44
Crandall	21	35	45	56	56	56
Elmo WSC	-	16	22	29	36	42
Forney	1	16	23	31	40	51
Forney Lake WSC*	1	16	22	29	36	42
Gastonia Scurry SUD	1	15	22	29	36	42
High Point WSC*	-	16	22	29	36	42
Irrigation, Kaufman	-	-	-	-	-	-
Kaufman	1	16	22	29	36	42
Kaufman County Development District 1	1	15	22	29	36	42

Water User Group	2020	2030	2040	2050	2060	2070
Kaufman County MUD 11	**1**	**15**	**22**	**29**	**36**	**42**
Kemp	**63**	**69**	**74**	**79**	**87**	**90**
Livestock, Kaufman	-	-	-	-	-	-
Mabank*	**36**	**41**	**45**	**59**	**70**	**79**
MacBee SUD*	-	-	-	-	-	-
Manufacturing, Kaufman	-	**7**	**13**	**21**	**28**	**33**
Markout WSC	**26**	**40**	**50**	**62**	**72**	**79**
Mesquite*	**1**	**16**	**22**	**29**	**36**	**42**
Mining, Kaufman	-	-	-	-	14	29
North Kaufman WSC	**1**	**15**	**22**	**30**	**36**	**42**
Poetry WSC*	-	**15**	**22**	**29**	**36**	**42**
Rose Hill SUD	-	**15**	**22**	**29**	**36**	**41**
Seagoville*	**7**	**21**	**31**	**41**	**49**	**50**
Steam-Electric Power, Kaufman	-	**2**	**3**	**3**	**4**	**5**
Talty SUD	**1**	**16**	**22**	**29**	**36**	**42**
Terrell	**1**	**22**	**43**	**52**	**61**	**70**
West Cedar Creek MUD*	-	**12**	**22**	**30**	**35**	**40**

* Water user group is split by more than one county. Table presents the water user group's total data for all related counties.

Color graded scale of needs as a share of demand from 0 (green) to 100 percent (red). **Bold indicates needs are 100 percent met by implementation of the plan.**

Table A3. Kaufman County unmet needs (acre-feet per year)

Water User Group	2020	2030	2040	2050	2060	2070
Mining, Kaufman	0	0	0	0	58	226

Texas Water Development Board
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