



ICC CODE CONNECT<sup>®</sup>  
API

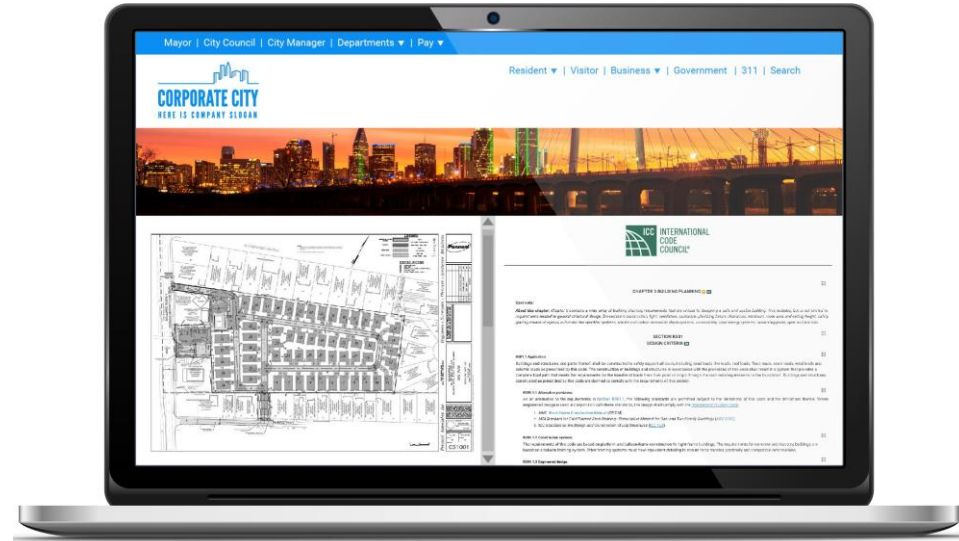
Empowering Organizations with ICC Code Content Integration

*A seamless solution for Integrating ICC Code Content with your workflow application*

# ICC CODE CONNECT® API

## Workplace Integration

ICC Code Connect® API provides organizations with instant access to the latest building code requirements within their existing workflow application



“Easy access to the fire, building, and mechanical codes that I use every day. It is fantastic.”

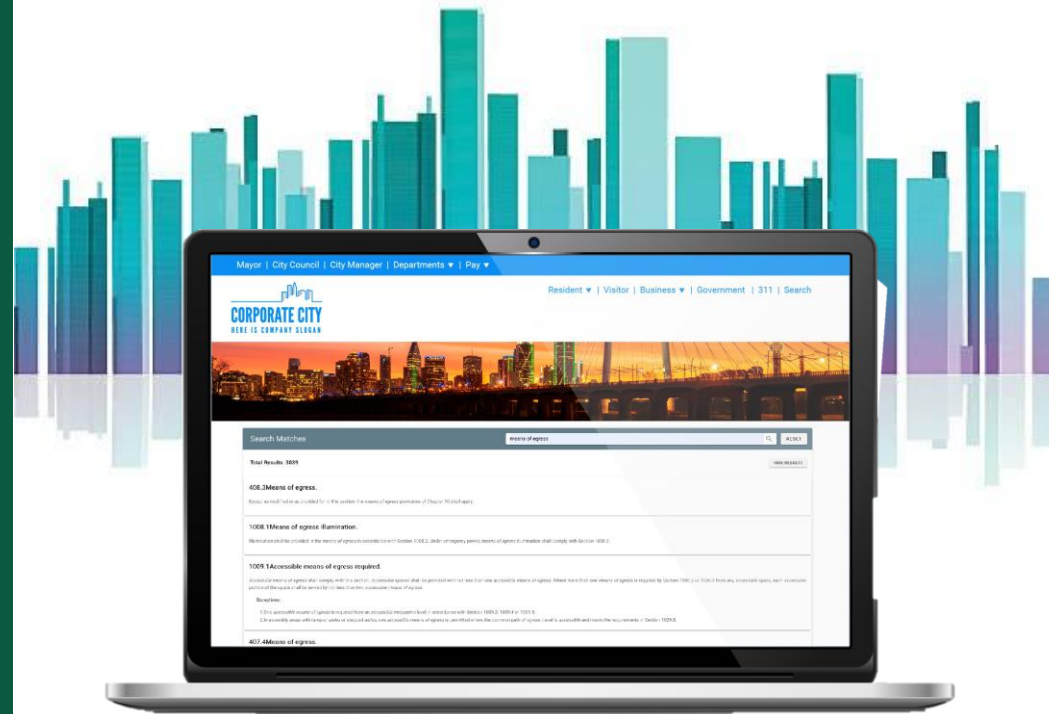
*David, Engineer*

# ICC CODE CONNECT® API

Empowering Institutions  
with seamless control and  
convenience

Tools and features:

- Latest code content
- Simplified search tools
- Confidence in accuracy
- Real time updates
- Streamline common code references within your portal or workflow tool



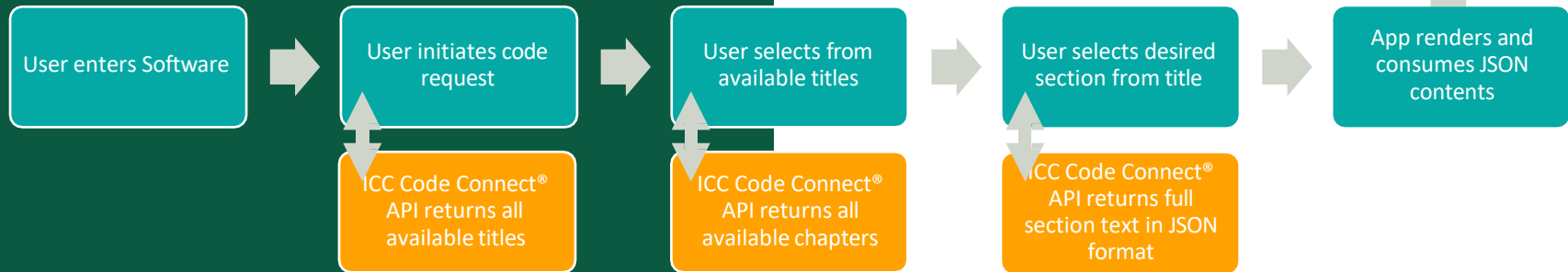
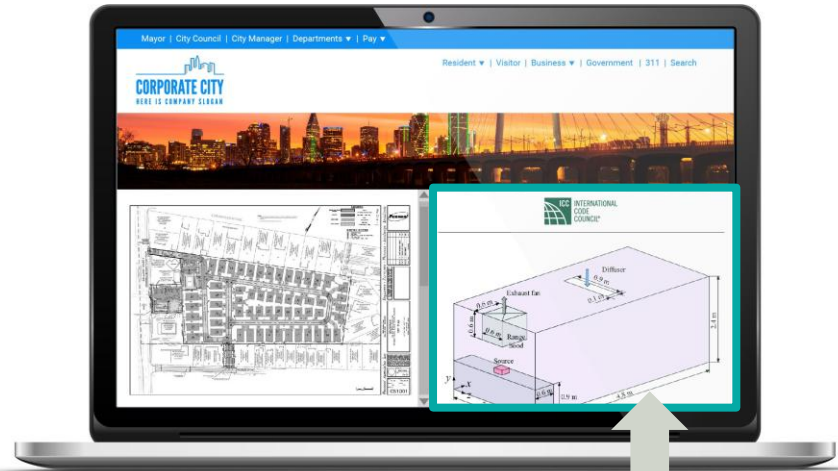
“Using the ICC Code Connect® API puts all the code information essentially at your fingertips, literally.”  
*Roy, Architect*

# ICC CODE CONNECT<sup>®</sup> API

## How it Works

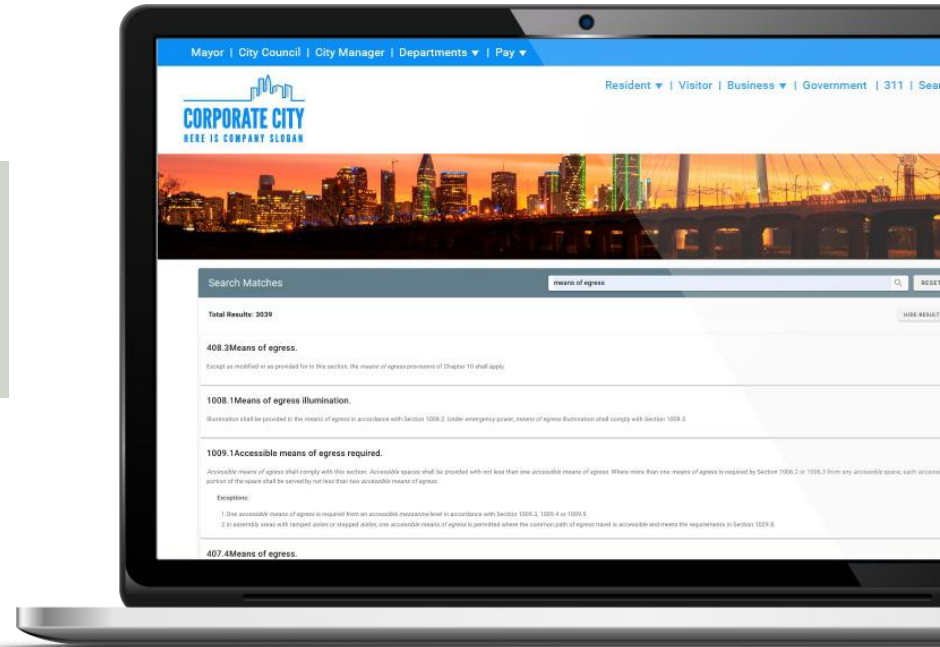
ICC Code Connect<sup>®</sup> API establishes a direct connection to ICC's codes and standards from within an organization's workflow tool via API:

- Search and import the latest code content directly to your building code software
- Your software (teal boxes) communicates directly with ICC Code Connect<sup>®</sup> API database (orange boxes)



## Make Your Plan Review More Efficient

- Avoid mistakes when capturing code citations manually from outdated print or PDF files
- Automatically link a section reference to the complete section text
- Quickly copy and paste code content into correction letters and other review documents
- Integrate content directly onto the screens your team works

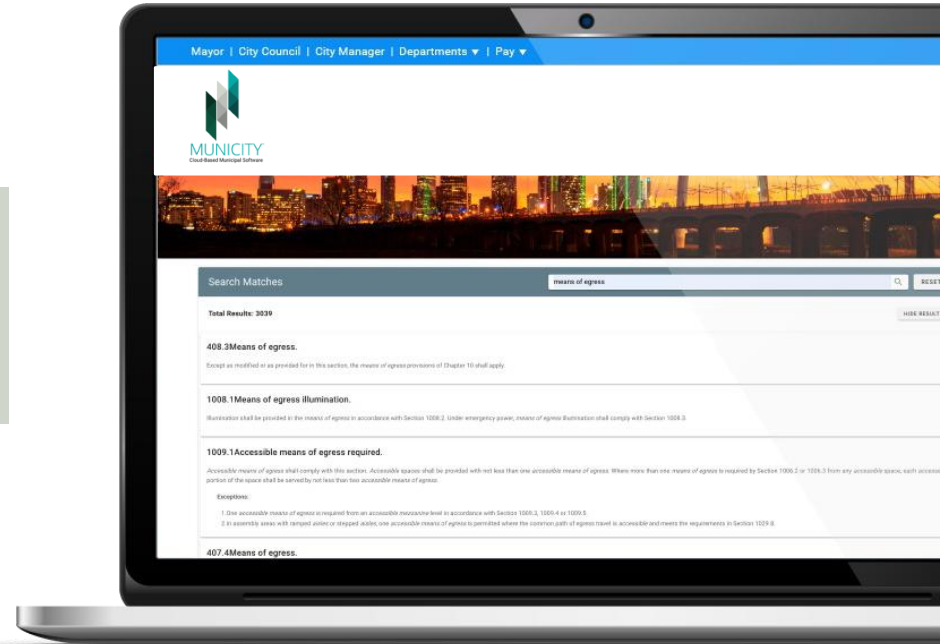


## Marketplace

Service Level Agreements established with third-party resellers to offer ICC Code Connect® API as a value-add feature to their software

- Technology based advantage
- Marketing Collateral Available
- Software Provider Featured on ICC Website
- Easy onboarding
- Better code integration
- Real time updates
- Admin Reporting
- Landing Page

<https://solutions.iccsafe.org/codeconnect>



## Pricing

Full ICC Code Connect® API solution is dependent on completing a Software as a Service Agreement including Schedules for content licensing

1. Service Level solutions integration to be developed to a software solution
  - \$3,000 per state or \$10,000 for unlimited states annual fee
  - Development support provided by ICC
2. Content Licensing to deliver desired content
  - User or population models available (pricing in following slides)



## Set Up and Connection

Solutions Integration: Software companies will sign license agreement for the integration with ICC.

- Implementation fee (covers implementation and SLA level terms on-going)
- Implementation fee includes:
  - Implementation Support
  - On-going access
- ICC promotes integration through ICC Code Connect<sup>®</sup> API vendor marketplace





## Content Licensing Pricing

ICC provides annual subscription price for access to code contents by title

- Jurisdiction cost determined by population and quantity of titles
- Vendor/Company cost determined by employee size and quantity of titles
- Allow clients to utilize existing content license key across multiple vendors

Samples of contents currently available

1. 2021 I-Codes
  2. 2018 I-Codes
  3. 2020 New York State Codes
  4. 2018 New Jersey Codes
  5. 2017 Ohio Codes
  6. 2018 Zoning Code (pilot)
  7. 2012 Fire Code (pilot)
- Additional content offerings added to ICC Code Connect® API upon market interest
  - eCode360 API available for jurisdictions with eCode360 instance

## API Technical Features

- SSO Authentication through OAuth2.0
- Integrate Code Contents (Sections, Tables, Figures) to software solutions directly from the reliable, authentic source
- Data returned in JSON format and include ability to retrieve individual sections up to entire chapters through single request
- Access to new versions of titles as they are published as well as all historical versions
- Search capabilities across available titles
- Access to available contents bundled by title, custom groups of titles or all contents
- Documentation and sample endpoint responses available  
from: <https://api.iccsafe.org/>  
<https://api-dev.iccsafe.org/demo/>

The screenshot displays the API interface with two main sections: 'Request samples' and 'Response samples'. In the 'Request samples' section, the 'CURL' tab is selected, showing a curl command: `curl -X GET "https://api-dev.iccsafe.org/v1/content/{contentId}" -H "`. A 'Copy' button is visible to the right of the command. The 'Response samples' section shows a '200' status code. Below it, the 'Content type' is 'application/json' and the 'Example' is 'table-response'. There are 'Copy', 'Expand all', and 'Collapse all' buttons. The response body is a JSON object containing metadata and an XML table structure.

```
{
  "footnote": "<p xmlns=\\"http://www.w3.org/1999/xhtml\\" xmlns:epub=\\"http://www.w3.org/2007/08/xhtml\\">
  "ordinal": "TABLE 509",
  "xmlId": "IBC2018_Ch05_Sec509_Tb1509",
  "label": "[F]",
  "title": "INCIDENTAL USES",
  "content": "<table class=\\"code\\" frame=\\"box\\" rules=\\"all\\">\n<thead>
  "type": "table"
}
```



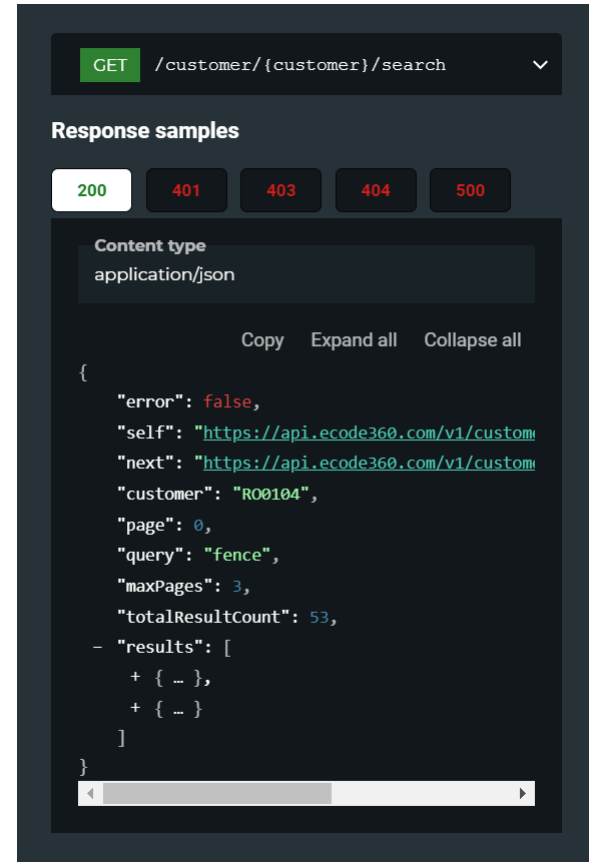
## eCode360<sup>®</sup> API

- Designed to provide programmatic access to *eCode360* content
- Available to General Code clients with an active *eCode360* product
- Licensed per municipality
- Pricing Model per Code (per Municipality)
  - Implementation \$250
  - Maintenance \$595 annual fee

# eCode360 API

## Technical Features

- Paired-key authentication
- Client or General Code can manage keys
- Integrate Code Content to software solutions directly or via ICC Code Connect® API middleware
- Structure API describes the way content is organized
- Search API leverages same search engine and results used in *eCode360*
- Content API leverages same content used in *eCode360*
- Data returned in JSON format and includes ability to retrieve content from individual subsections up to entire chapters through single request
- Documentation and sample endpoint responses available from: <https://developer.ecode360.com/>



The screenshot displays an API client interface. At the top, a green button labeled 'GET' is next to the endpoint path '/customer/{customer}/search'. Below this, a section titled 'Response samples' contains five buttons for different status codes: 200 (highlighted in green), 401, 403, 404, and 500. Underneath, the 'Content type' is set to 'application/json'. The response body is a JSON object with the following structure:

```
{
  "error": false,
  "self": "https://api.ecode360.com/v1/custom...",
  "next": "https://api.ecode360.com/v1/custom...",
  "customer": "R00104",
  "page": 0,
  "query": "fence",
  "maxPages": 3,
  "totalResultCount": 53,
  "results": [
    + { ... },
    + { ... }
  ]
}
```

At the bottom of the response area, there are three buttons: 'Copy', 'Expand all', and 'Collapse all'. A scrollbar is visible at the bottom of the JSON response area.



## Family of Solutions

