Fractal Programming:
Elections Use Case FAQ

What is Fractal Programming?

Response:

Fractal programming is a new compute method that is the next logical step in microservices. It is a distributed compute technique enabling all apps to be broken into tiny apps, run in parallel, at silicon speed (as fast as a computer can run) and search data in ways impossible with current technology.

Fractal Programming eliminates most computer I/O.

Fractal programming has 4 disruptive outcomes:

1. It runs 1,000 to a million times *faster* than any existing technology.
2. It can take the largest app that requires a mainframe spanning several rooms and run that same data on a **computer the size of a box of Kleenex**.
3. Fractal programming **enables data from any source**, in any size, to be instantly integrated with other data for analysis.
4. Fractal systems are **inherently protected from deplatforming**. They run in 2, a hundred, or many hundreds of locations simultaneously and if one is attacked, the rest continue to run, uninterrupted. Fractal programming was originally architected to enable key government agencies to survive a complete nuclear war when most or all government systems are destroyed.

Example:

For the Lindell group, Fractal showed the cast ballot data when measured against the voter ID data, with a single click showed over a million votes that were cast but had no voter.

Fractal showed multiple data discrepancies of such a magnitude. There were multiple causes for the discrepancy, and Fractal showed each.

Fractal does not use the word "fraud" when we finding such cases. Fractal calls them out as anomalies and lets the lawyers sort it out.

Fractal makes all data available to a citizen on their phone or tablet.

Example:

With a single click, Fractal showed every phone number in multiple state government databases that were used by more than one voting identity. One result came up with 23,000 identities over 15 years for a single phone number.

Example:

Fractal showed how the entire state database can be cross searched in eye blink speed, from a cell phone or tablet. Even the smallest change to the database is visible.

For years organizations have documented voter fraud like dead voters, people living in mailboxes. Why will Fractal Programming lead to a different result?

Response:

None of the previous solutions worked and they will continue to fail. This was shown in the 2020 election when millions of fake voters voted absentee.

2020 was the great proof point that reports, lawsuits, the demonstration of nonsense in databases AFTER THE FACT does not drive citizen outrage to demand change.

These techniques fail because they are way too "inside baseball" for the average citizen, they are not real time, they use reports and statistics which are unintelligible to the average citizen.

They fail, will continue to fail. A new approach is needed.

Fractal team expertise is in fraud detection BEFORE IT HAPPENS OR BEFORE IT HAPPENS AGAIN.

The Fractal team is expert in how to take complex data, weave a story with it, and use it in front a jury with an 4th grade education to get a conviction.

There needs to be a real time, crowdsourced voter reconciliation system, in the public domain, that runs in parallel with the current state-run rolls enabling curious people to find voter anomalies immediately. Then they can take action to eliminate it.

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Fractal users demonstrate that with any voter system, using sophisticated cross search, any change, no matter how trivial, whether a good change or a sinister one, shows up immediately to the public.

This is the ONLY way to keep government voter workers (Sec of State to the county registrar) honest.

Fractal team members coined the term "sovereign voter fraud"regarding office holders who do not meet their responsibility to clean current voter databases.

Sovereign fraud is when the elected officials are in on it. Today, they often may be.

But the constant changes and updates seem to render that of more limited value.

Response:

Constant change and updates are the GOLD for a real time system. Fractal keeps a real time snapshot of the database weekly, daily or hourly if necessary, and any changes show up to anyone who cares to look.

Changes, modifications, updates are where the action is.   A database that never changes cannot be audited more than once.

The more the data changes, the more stuff shows up to the public.

Example:

Show, with one click, every voter who has had a change of status (moved to active or inactive) and voted in X election. Curious question: if they voted, why did you change their status to inactive a week later?

Fractal analysis showed that the ballot data did not match the voter ID data and instantly showed that the status change was a big reason for it. Such real time reporting stops fraud BEFORE it can impact an election.

What's the end game for this?

Response:

The world is going, has gone digital. People will eventually vote by phone.

Millennials are becoming the majority and they do not read reports they live on their digital devices. Give them a digital way to cut the cards with their government.

Fractal users are demonstrating a parallel system, running at a county where data is available, simultaneously, checking voter rolls and flagging changes, the impact of those changes, in real time – deliverable to your phone.

Thus, when any organization changes voter rolls, you see it and flag it immediately.

Of course, Fractal also cross checks every ID against death records, change of address records, and other available databases – instantly.

Current methods – batch, SQL, Excel will continue to fail at scale like they did in 2020.

Fractal team members can do detailed reports, nobody reads them. Fractal members can read binary and read the machine code and logs, nobody cares.

Example: Days after the November 2020 election, a kid using Excel took the Michigan absentee voter information published by the state. He demonstrated 35,000 ballots that were "received before they were mailed." He published this on an obscure web site and it went viral in hours.

Right now, competent citizen sleuths in every state are running that test and finding the same thing.

Michigan stopped publishing those records due to their embarrassment. This example is one of hundreds where people in their basement, with rudimentary tech tools, are doing a lot to impact the legitimacy of voter rolls.

Fractal wants them to have tech tools beyond what Amazon and Google and Facebook have.

This will not eliminate all voter fraud. It will, however, eliminate phantoms in voter rolls, which is enough.

We built an app for canvassers. Can we use your Fractal database?

Response:

Yes. The Fractal data engine runs 1,000 to a million times faster than any commercial technology. You can load your data with our data, search it and create reports and deliver county or precinct or street level lists to canvassers via your app.

The Fractal database eliminates any cost you may have for large scale computers and we have secondary lists to cross search your data.

The Fractal system currently contains over 1.5 billion records growing to approximately 6 billion when all the states have their data and snapshots loaded

What are you finding, other than that there are problems with voter rolls?

Response:

Real time vs. a report changes the reality for the recipient.

When someone in Washington, DC creates a report showing voter fraud is rampant in the rolls in your state, nobody reads it. If you do, what are you going to do about it?

When a local kid, with his phone, shows that 125 people voted from Mr. Jenkins' one bedroom condo across the street, publishes it on the web, Jenkins is pretty much screwed. Multiply that by a thousand kids.

Real time changes all the rules and the outcomes. Real time means it goes on the web, some county registrar gets hassled. Someone is "outed." Stuff changes.

As we say in the high tech business, "speed is the ultimate disruptor."

Can Fractal Programming stop voter raud in 2022 and 2024?

Response:

Vote fraud is now an organized digital enterprise.

Fractal technology finds the easy stuff like dead voters, those voting in multiple states, duplicates, and that sort of thing and points it out.

Smart fraudsters are changing voter rolls real time.

Voters are inactive, turned into active, then voted, then made inactive again. There is no way with current technology to find this fraud.

Fractal identifies this fraud the second it happens. We run weekly, daily or hourly snapshots of voter rolls or "electronic poll books" to see if a status was changed to drive a fake vote.

We invented "similarity search" and filed 6 patents for it.

Similarity search is how you find out if Jack Klinger and Sally Overholt are the same person or different people when they have literally zero fields in common. You would be shocked how many times such people exist.

We know how to do that.

That is what we used in the TSA No Fly List and the eBay fraud engine.

Again, our thesis:

Reports do not move the emotional needle. A kid in Michigan, did more to expose voter fraud with an Excel spreadsheet and posting 35,000 ballots that were "received before they were mailed" than every voting report for the last 10 years.

We are in a digital age. We need a real time digital solution. Fractal analysis is that system.

How do you get the state's data? Can you just get real time access?

Response:

Secretaries of State are not going to love us. We'll get over it.

We do not need to have real time access at every moment. We can get the data, depending on the state, downloaded the way it is now every quarter, month or around elections, every day.

If it is a place like Harris County, Texas, we will download it weekly around the election. Vermont, not so much.

It may not need to be a whole state. Maybe a congressional candidate wants to make sure everything is ok in their election – do this at the congressional level. Lots of flexibility here.

We can choose to do that at a county level. Depends on what is needed. Once we get the data, it is real time for the world to see. If the next batch has some interesting changes, things light up.

Our access to the government's data does not need to be real time. The citizen's access to what we present should be. Voter rolls change, but not enough in a few days to matter that much.

We have now seen the data from 23 states and it is just not that hard to deal with.

Can we add data to the system?

Response:

Yes.

Our commercial customers find adding small marketing spreadsheets from all over their company gives them a 360-degree view of their customer.

You can have canvassers gather data from local jurisdictions and add it to the system and when the aggregate data is searched, all the output is enriched.

Many state organizations upload local or state files to us weekly.

Can we work directly with you?

Response:

Yes.

Our system can consume your data in a few minutes, and we will then test it against the library of queries already built. We are adding new queries daily from what investigators are discovering across the United States.

We have many other well tested databases like the UPS locations, the National Change of Address DB, a database of Christian Churches, mailboxes at USPS locations.

Teams are developing databases of "virtual mailboxes" which is a new type of "location identity" used in this past election.

We are adding the property tax records for all counties, the Federal Election Contribution database and any other public database that adds value.

Do you have to be of a certain party to use the Fractal database?

Response:

We will work with any group or person who is investigating voter anomaly to help clean up voter rolls. We do not ask about or care about political affiliation.

Can you replace ERIC?

Response:

Yes.

We currently run more records on less hardware than ERIC by an estimated factor of 10.

Unlike ERIC, we enable citizens to have complete visibility to any changes made to the system.

We also can ingest far more different databases economically than ERIC.

How would a state work with Fractal to replace ERIC or have an ERIC equivalent?

Response:

We are all about parallel systems.

That means for any state, we would stand up a system with ALL its current election data and run it in parallel with the current system. Thus the state needs to do nothing differently from what it does today.

Our parallel system will then cross tabulate with the state system (or at the county level) and anything done in ERIC or in a current state system will be compared with the Fractal system.

Unlike ERIC, we could do this at the county and state levels simultaneously, thus validating that they reconcile.

The Fractal system would run for 90 days to 6 months for the state government and they could evaluate how much better it is than ERIC.

What can Fractal deliver that ERIC does not?

Response:

The Fractal system runs 1,000 to a million times faster than ERIC. It would cost less than one half of what ERIC costs. It would be set up from scratch into full production in 90 days or less.

Fractal would take hourly and daily snapshots of ALL transactions and make them 100% auditable by human beings.

The Fractal system checks every voter against multiple databases, plus those added by the state, to make sure every voter is 100% legitimate.

Fractal brings in all current databases available to ERIC plus it ingests any county property tax records available via URL.

Unlike ERIC, Fractal delivers "snapshot" analysis across every record, every cell showing the slightest change, who made it.

Any state using the Fractal system would have its costs dramatically reduced by adopting Fractal.