



PARIS 2024 OLYMPICS

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Introduction to the Paris Olympics

About

The 2024 Summer Olympics, officially the Games of the XXXIII Olympiad and branded as Paris 2024, is an international multi-sport event that are occurring from 24 July to 11 August 2024 in France, with the opening ceremony having taken place on 26 July.

Objectives

- To provide comprehensive overview of Paris 2024 to audiences, particularly on tracking medals by countries, sports and athletes
- To convince stakeholders of the dashboard's potential for profitability

Target Stakeholders

Sports Enthusiasts, Media Outlets, Athletes and Coaches, Sponsors and Advertisers



Insights

1 2024 vs Past Olympic Games

1. United States (103)
2. China (73)
3. France (54)
4. Great Britain (51)
5. Australia (45)

Team	Summer Olympic Games					Winter Olympic Games					Combined total				
	Team (IOC code)	No.	Gold	Silver	Bronze	No.	Gold	Silver	Bronze	No.	Gold	Silver	Bronze	Total	
United States ^[P] [Q] [R] [Z] [F]	28	1,061	830	738	2,629	24	114	121	95	330	52	1,175	951	833	2,959
Soviet Union ^[URS]	9	395	319	296	1,010	9	78	57	59	194	18	473	376	355	1,204
Great Britain ^{[GBR] [Z]}	29	284	318	314	916	24	12	5	17	34	53	296	323	331	950
Germany ^{[GER] [Z]}	17	201	207	247	655	13	104	98	65	267	30	305	305	312	922
France ^{[O] [P] [Z]}	29	223	251	277	751	24	41	42	55	138	53	264	293	332	889
Italy ^{[M] [S]}	28	217	188	213	618	24	42	43	56	141	52	259	231	269	759
China ^[CHN]	11	263	199	174	636	12	22	32	23	77	23	285	231	197	713
Sweden ^[Z]	28	147	177	179	503	24	65	51	60	176	52	212	228	239	679
Australia ^{[AUS] [Z]}	28	182	192	226	547	20	6	7	6	19	48	188	198	232	618

2 Youngest and Eldest Medalists

1. 14 years old Arisa Trew won Skateboard Gold
2. 58 years old Laura Kraut won Equestrian Silver

APIs

1. General Statistics
2. Top 10 Sports by Medals
3. Top 5 Sports by Participation
4. Olympic Medal History
5. Top 5 Countries Olympic Performance

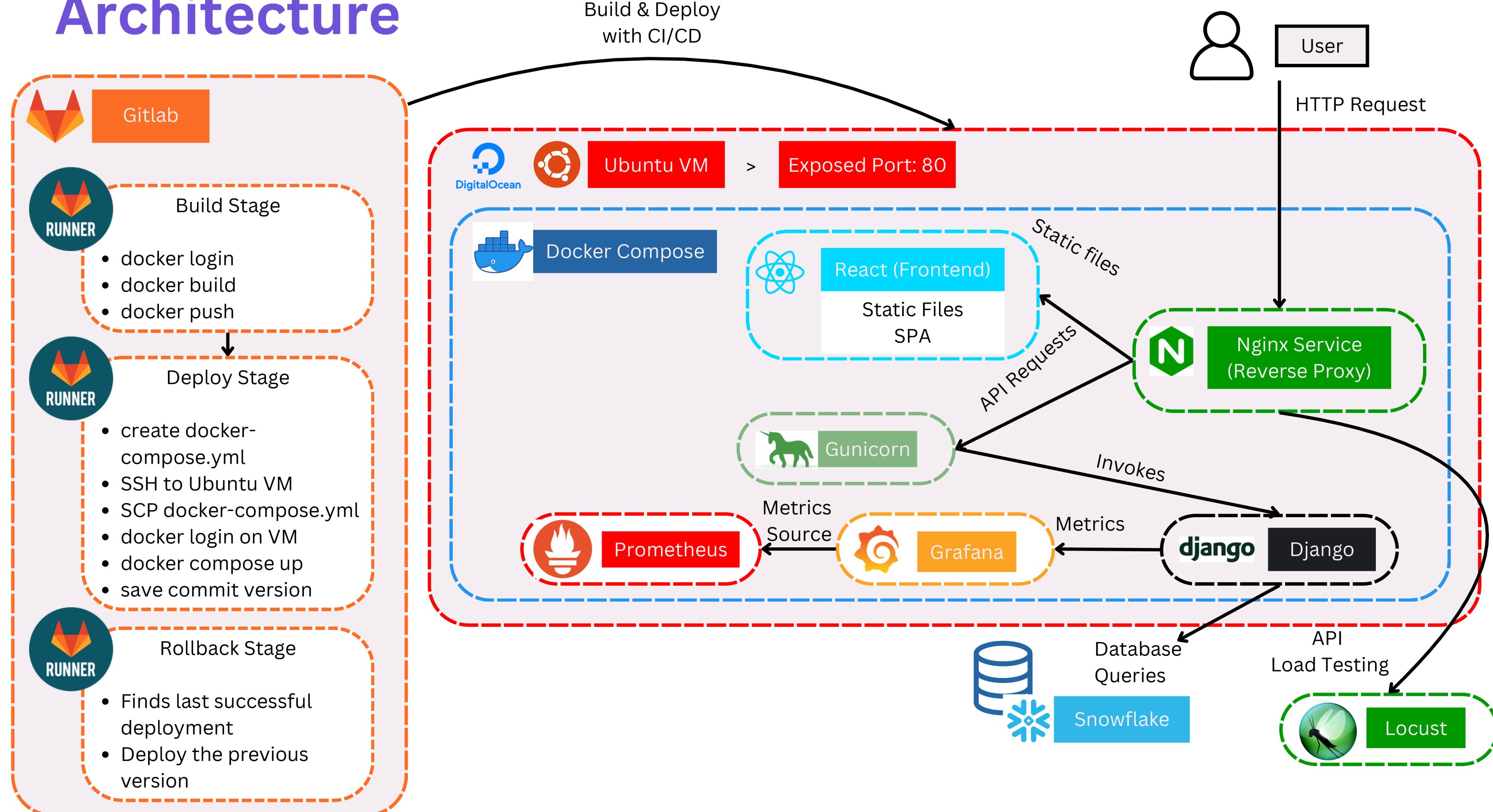
API Design Patterns

- Query Parameters
- Caching

Suggestions

1. Sponsorships/ Brands can use insights about the youngest and eldest medalists to create targeted marketing campaigns.
2. Companies can use insights from the medal data to develop or refine products tailored to specific age groups or athletic performance levels.

Architecture



Benchmarks



1000 concurrent users, 20 user ramp up per second

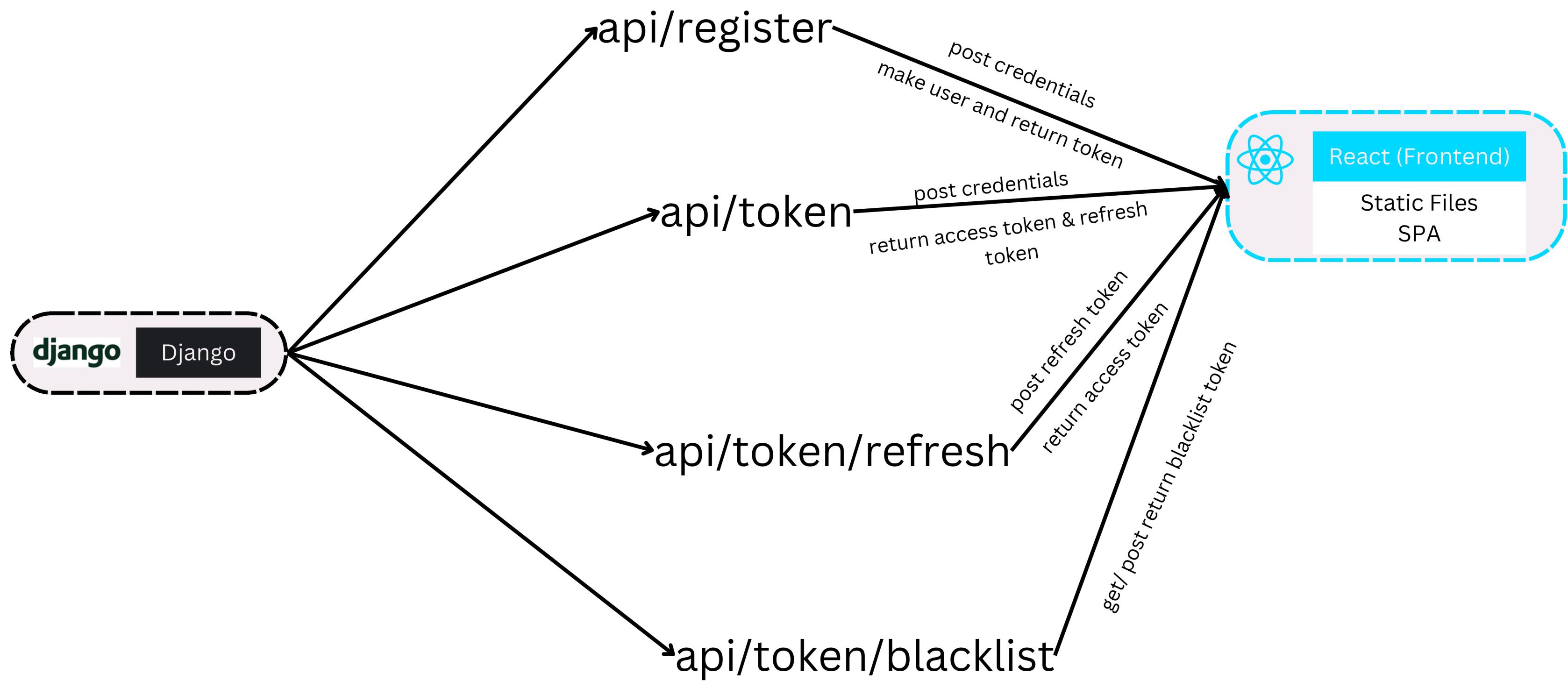
API	Requests	Average (ms)	Min (ms)	Max (ms)	Failures/s
General Statistics	963	16400	7	30511	0.1
Top 10 Sports by Medals	972	16500	4	31600	0.4
Top 5 Sports by Participation	962	16993	2	31432	0.2
Olympic Medal History	1023	8113	3	16485	0.1
Top 5 Countries Olympic Performance	936	16723	16	30073	0.5

How to improve?

- Improved load balancing
- Use elastic VMs with autoscaling
e.g. EC2 w/ ASG
- Use a NoSQL database
- Improved API Design

Other Benchmarks

- Scalability
- Reliability
- Operational Excellence
- Security
- Elasticity



Future Works

Who can we collaborate with?

Key Partners

- Data Providers
 - Partnerships with sports analytics companies, real-time data feeds, and API providers
- Technology Providers
 - Cloud service providers (AWS, Google Cloud, Azure)
- Sponsorship Partners
 - Brands that want to associate with the Olympic Games and dashboard analytics

Customer Segments

- Sports Enthusiasts
- Media Outlets
- Athletes and Coaches
- Sponsors and Advertisers

Commercial Value

Value Propositions

- Customizable Data Views
 - Options to customize data views according to specific interests (country-wise, sport-wise)
- Comprehensive Analytics
- User-Friendly Dashboard
 - Easy-to-navigate interface for sports enthusiasts, analysts and media
- Real-time Data Streaming

Revenue Stream

- Advertising Revenue
- Data Licensing
 - Selling detailed analytics and reports to media outlets, teams, and sports organizations
- Partnerships
 - Revenue from partnerships with media companies or tech firms
- Sponsorships
 - Brands paying for integration into the dashboard as official partners

Zyad Zarin / Olympics2024 Dashboard / Pipelines

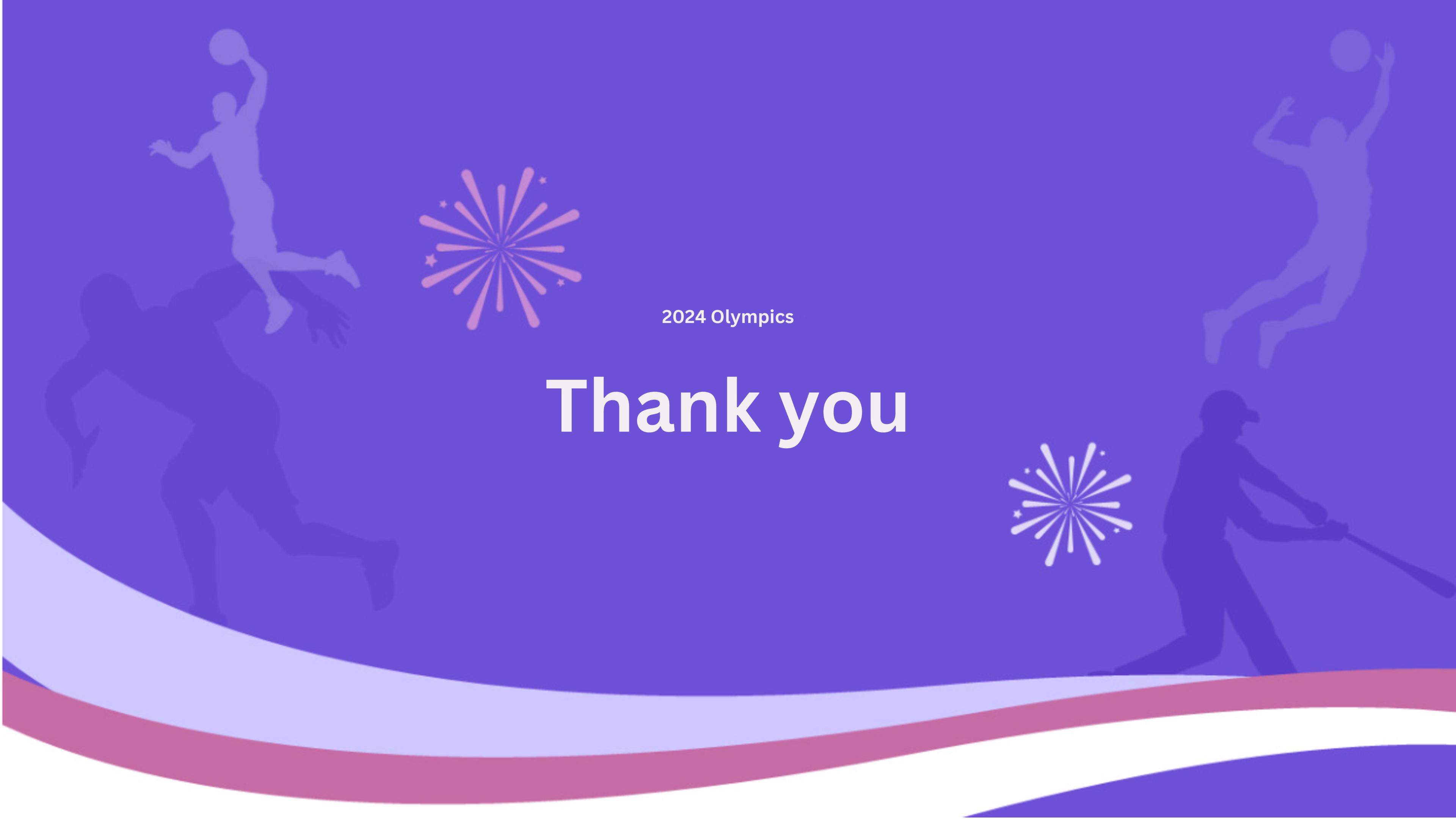
GitLab Duo Chat

All 47 Finished Branches Tags Clear runner caches Run pipeline

Filter pipelines

Status	Pipeline	Created by	Stages
Running	remove sidebar #1409119966 ↗ main ↳ a0811b64 🌐 latest	zyad.zarin	⌚ - ⚡ - ⚡
Passed	Merge branch 'main' of https://gitlab.com/zy... #1408938927 ↗ main ↳ 6095024d 🌐 ⌚ 00:03:03 ⌚ 7 hours ago	zyad.zarin	✓ - ✓ - ✓
Passed	Update .gitlab-ci.yml file #1408935724 ↗ main ↳ d9310b36 🌐 ⌚ 00:02:37 ⌚ 7 hours ago	zyad.zarin	✓ - ✓ - ➞
Passed	test #1408932142 ↗ main ↳ b49fc8e8 🌐 ⌚ 00:03:12 ⌚ 7 hours ago	zyad.zarin	✓ - ✓ - ✓
Passed	added allowed host #1408929230 ↗ main ↳ 56e87c0d 🌐 ⌚ 00:03:16 ⌚ 7 hours ago	zyad.zarin	✓ - ✓ - ✓
Passed	Update .gitlab-ci.yml file #1408926555 ↗ main ↳ a020ae8a 🌐 ⌚ 00:03:22	zyad.zarin	✓ - ✓ - ➞

Pinned Issues 0 Merge requests 0 Manage Plan Code Build Pipelines Jobs Pipeline editor Pipeline schedules Artifacts Secure Deploy Operate Help



2024 Olympics

Thank you