```
}
                                                                      }:"app_info"
                                                     ,"name": "Snapp Driver Pro"
                                                                ,"version": "4.2.1"
                                                 ,"build number": "2025082101"
                                                      ,"platform": "cross-platform"
                                     ,["+supported_os": ["iOS 15+", "Android 12"
                                            ,["language_support": ["fa", "en", "ar"
                                                                rtl_support": true"
                                                                                  ,{
                                                                    }:"ai_features"
                                                           }:"intelligent_routing"
                                                                 ,enabled": true"
                                ,"ml_algorithm": "deep_reinforcement_learning"
                                               ,real_time_traffic_analysis": true"
                                          ,weather_condition_adaptation": true"
                                              ,historical_pattern_learning": true"
                                                       ,fuel_optimization": true"
           ["multi_objective_optimization": ["time", "fuel", "comfort", "earnings"
                                                         }:"predictive_analytics"
                                                       }:"demand_forecasting"
                                                               ,enabled": true"
                                               ,prediction_window_hours": 24"
                                                   ,accuracy_threshold": 0.85"
["factors": ["weather", "events", "holidays", "time_patterns", "location_density"
                                                                               ,{
                                                        } :"earnings_prediction"
                                                               ,enabled": true"
                                                         ,daily_forecast": true"
                                                       ,weekly_forecast": true"
                                                      ,surge_prediction": true"
                                                optimal_working_hours": true"
                                                                                {
                                                                                 ,{
                                                             }:"smart_matching"
                                         ,passenger_driver_compatibility": true"
                                                ,route_efficiency_scoring": true"
                                             ,driver_preference_learning": true"
                                          ,dynamic_pricing_optimization": true"
                                                     multi_ride_batching": true"
                                                                                 ,{
                                                              }:"voice_assistant"
                                                                 ,enabled": true"
                                                        "wake_word": "سلام اسنپ",
                                             ,["languages": ["persian", "english"
                                                                 ]:"capabilities"
                                                      ,"navigation_commands"
```

```
,"ride_management"
                ,"earnings_inquiry"
                  ,"traffic_updates"
                    ,"weather_info"
                 "break_reminders"
                offline_mode": true"
                 }:"computer_vision"
   ,license_plate_recognition": true"
      ,passenger_verification": true"
,vehicle_condition_monitoring": true"
         ,road_sign_detection": true"
    ,parking_space_detection": true"
            safety_monitoring": true"
                                      {
                                       ,{
                      }:"core_features"
                } :"ride_management"
               ,instant_accept": true"
                  ,ride_queue": true"
            ,scheduled_rides": true"
            ,multi_destination": true"
                 ,ride_sharing": true"
              ,premium_rides": true"
             ,delivery_service": true"
            package_delivery": true"
                                     ,{
                        }:"navigation"
              ,integrated_gps": true"
                ,offline_maps": true"
             ,real_time_traffic": true"
             ,voice_guidance": true"
              ,lane_guidance": true"
           ,speed_limit_alerts": true"
            ,hazard_warnings": true"
          ,parking_assistance": true"
         toll_road_avoidance": true"
                }:"earnings_tracking"
          ,real_time_earnings": true"
              ,daily_summary": true"
              ,weekly_reports": true"
           ,monthly_analytics": true"
           ,expense_tracking": true"
         ,fuel_cost_calculator": true"
                ,tax_reporting": true"
                 ,goal_setting": true"
```

```
}:"communication"
       ,in_app_messaging": true"
               ,voice calls": true"
    ,automated_messages": true"
       ,translation_service": true"
     ,emergency contacts": true"
             ,support_chat": true"
         community forum": true"
                                  {
             }:"advanced_features"
             }:"smart_dashboard"
    ,customizable widgets": true"
        ,real_time_metrics": true"
  ,performance_indicators": true"
          ,market_insights": true"
      ,competitor_analysis": true"
        trend_visualization": true"
                                  ,{
              } :"driver_assistance"
         ,fatigue_detection": true"
 ,break_recommendations": true"
        ,health_monitoring": true"
             ,driving_score": true"
          ,eco_driving_tips": true"
  ,maintenance_reminders": true"
     insurance_integration": true"
                                  ,{
                }:"business_tools"
            ,shift_planning": true"
      ,income optimization": true"
          ,market_analysis": true"
        ,customer_insights": true"
       ,fleet_management": true"
 partnership_opportunities": true"
                                  ,{
                }:"safety security"
             ,panic_button": true"
          ,location_sharing": true"
            ,ride_recording": true"
        ,incident_reporting": true"
,background_check_status": true"
    ,insurance_verification": true"
     ,emergency_services": true"
           fraud_detection": true"
                                  {
```

performance_metrics": true"

```
,{
                                                         }:"user_interface"
                                                       }:"design_system"
                                          ,"theme": "material_design_3"
                                                      }:"color_scheme"
                                                 ,"primary": "#00C851"
                                              ,"secondary": "#FF4444"
                                             ,"background": "#FFFFFF"
                                                 ,"surface": "#F5F5F5"
                                                   "accent": "#007BFF"
                                                                        ,{
                                                         }:"typography"
                                           ,"primary_font": "IRANSans"
                                           ,"secondary_font": "Roboto"
                ["sizes": ["12sp", "14sp", "16sp", "18sp", "20sp", "24sp"
                                                         }:"accessibility"
                                        ,screen_reader_support": true"
                                           ,high_contrast_mode": true"
                                             ,large_text_support": true"
                                               voice_navigation": true"
                                                                        {
                                                              }:"screens"
                                                   }:"home_dashboard"
,["widgets": ["earnings_today", "active_rides", "weather", "traffic_alerts"
    ,["quick_actions": ["go_online", "view_rides", "earnings", "settings"
                                             ,notifications_panel": true"
                                                map_integration": true"
                                                                       ,{
                                                         }:"ride_details"
                                                ,passenger_info": true"
                                                 ,route_preview": true"
                                               ,fare_breakdown": true"
                                               ,special_requests": true"
                                                ,contact_options": true"
                                          navigation_integration": true"
                                                                        ,{
                                                  }:"earnings_analytics"
                                                 ,charts_graphs": true"
                                                     ,time_filters": true"
                                           ,category_breakdown": true"
                                              ,comparison_tools": true"
                                                 ,export_options": true"
                                                 tax_summaries": true"
                                                } :"profile_management"
                                              ,driver_verification": true"
```

```
,vehicle_details": true"
                                         ,documents_upload": true"
                                       ,preferences_settings": true"
                                              ,rating_reviews": true"
                                      achievements_badges": true"
                                                                      {
                                                    }:"integration_apis"
                                                    }:"map_services"
                                           ,"primary": "snapp_maps"
                ,["fallback": ["google_maps", "mapbox", "here_maps"
                                       ,"traffic_data": "real_time_api"
                                   "poi_database": "comprehensive"
                                                }:"payment_systems"
        ,["supported_methods": ["card", "wallet", "cash", "installment"
               ,["gateways": ["zarinpal", "mellat", "parsian", "saderat"
                                              ,crypto_support": false"
                                           international_cards": true"
                                                                     ,{
                                              }:"third_party_services"
                                  ,"weather_api": "openweathermap"
                                        ,"fuel_prices": "national_api"
                                  ,"traffic_cameras": "municipal_api"
                           ,"emergency_services": "115_integration"
,["insurance_providers": ["iran_insurance", "asia_insurance", "alborz"
    ["maintenance\_services": ["local\_garages", "authorized\_dealers"] \\
                                                 }:"data_management"
                                                     }:"local_storage"
                                            ,"ride_history": "30_days"
                                       ,"offline_maps": "major_cities"
                                    ,"user_preferences": "persistent"
                                              "cache_size": "500MB"
                                                       }:"cloud_sync"
                                           ,automatic_backup": true"
                                       ,"sync_frequency": "real_time"
                               ,"conflict_resolution": "server_priority"
                                       "data_encryption": "AES_256"
                                                          }:"analytics"
                                               ,user_behavior": true"
                                        ,performance_metrics": true"
                                              ,crash_reporting": true"
                                               ,feature_usage": true"
```

```
privacy_compliant": true"
                                          {
                       }:"security_privacy"
                        }:"authentication"
                      ,multi_factor": true"
                  ,biometric_login": true"
       ,"session_timeout": "30_minutes"
                  device_binding": true"
                                         ,{
                      }:"data_protection"
              ,encryption_at_rest": true"
            ,encryption_in_transit": true"
                  ,gdpr_compliant": true"
             ,data_anonymization": true"
                 right_to_deletion": true"
                                         ,{
                   }:"security_measures"
               ,certificate_pinning": true"
                 ,api_rate_limiting": true"
                 ,fraud_detection": true"
       "penetration_testing": "quarterly"
                                          ,{
             } :"performance_optimization"
                    }:"app_performance"
          ,"startup_time": "< 3 seconds"
          ,"memory_usage": "< 200MB"
            ,battery_optimization": true"
              ,network_efficiency": true"
  "offline_functionality": "core_features"
                            }:"scalability"
            ,"+concurrent_users": "100k"
,"request_handling": "async_processing"
              ,database_sharding": true"
                  ,cdn_integration": true"
                     auto_scaling": true"
                                          {
                    } :"monitoring_support"
                      }:"crash_analytics"
            ,real_time_monitoring": true"
             ,automatic_reporting": true"
           ,stack_trace_collection": true"
        user_impact_assessment": true"
             } :"performance_monitoring"
```

```
,response_times": true"
         ,resource_usage": true"
         ,network_latency": true"
         user_satisfaction": true"
              }:"support_system"
      ,chat_support": true_7_24"
      ,video_call_support": true"
      ,remote_assistance": true"
        ,knowledge_base": true"
     ,community_support": true"
     multilingual_support": true"
                                  {
          }:"updates_deployment"
          }:"update_mechanism"
      ,automatic_updates": true"
           ,staged_rollout": true"
       ,rollback_capability": true"
              a_b_testing": true"
                                 ,{
                 }:"feature_flags"
    ,remote_configuration": true"
  ,gradual_feature_rollout": true"
      ,user_segmentation": true"
      emergency_disable": true"
                                  {
          }:"business_intelligence"
                }:"driver_insights"
  ,performance_analytics": true"
    ,market_opportunities": true"
,optimization_suggestions": true"
           benchmarking": true"
          }:"operational_metrics"
       ,efficiency_tracking": true"
            ,cost_analysis": true"
    ,revenue_optimization": true"
    customer_satisfaction": true"
                                  {
       }:"compliance_regulations"
          } :"transportation_laws"
        ,local_regulations": true"
  ,licensing_requirements": true"
   ,insurance_compliance": true"
            tax_reporting": true"
```

```
,{
                     }:"data_regulations"
                     ,privacy_laws": true"
                 ,data_localization": true"
           ,consent_management": true"
                       audit_trails": true"
                                         {
                        }:"future_roadmap"
                     ]:"planned_features"
          ,"autonomous_vehicle_support"
          ,"electric_vehicle_optimization"
                 ,"blockchain_payments"
                         ,"ar_navigation"
                 ,"iot_vehicle_integration"
     "advanced_predictive_maintenance"
                                         ,[
                  }:"technology_adoption"
        ,"5g_optimization": "in_progress"
           ,"edge_computing": "planned"
,"quantum_encryption": "research_phase"
       "ai_model_updates": "continuous"
                                         {
                                          {
```